

# LOXILENE

PP

| Loxim Grade Description    | Product Family | F / UF<br><small>(UF-Unfilled, GF-Glass Filled, MR-Mineral Filled, TA-Talc Filled)</small> | Flame Retardant<br><small>(FR)</small> | Special Characteristics                 | Features [ ↑ - Excellent, ↔ - Good, ↓ - Medium / Not Recommended ] |                       |             |                           |              |                        |                 |                           |                 |                     |                     | Typical Applications  |
|----------------------------|----------------|--|--|---|--|-----------------------|-------------|---------------------------|--------------|------------------------|-----------------|---------------------------|-----------------|---------------------|---------------------|---|
|                            |                |  |  |   | Physical   |                       |             | Processing                |              | Mechanicals            |                 |                           | Resistivity     |                     |                     |   |
|                            |                |  |  |   | Surface Finish /Appearance   | Dimensional Stability | Low Warpage | Melt/Flow Characteristics | Mold Release | Stiffness and Rigidity | Impact Strength | Low Temperature Ductility | Heat Resistance | Chemical Resistance | Abrasion Resistance |   |
| LOXILENE PP IM2 08021      | PP             | UF   | ×                                      | Unfilled Impact modified                | ↑  | ↔                     | ↔           | ↔                         | ↑            | ↔                      | ↑               | ↑                         | ↓               | ↑                   | ↔                   | Automotive- Wheel arch liner, Steering wheel cover, Air inlet   |
| LOXILENE PP IM3 08022      |                |  | ×                                      | Unfilled Impact modified                | ↑  | ↔                     | ↔           | ↑                         | ↑            | ↔                      | ↑               | ↑                         | ↔               | ↑                   | ↔                   | Automotive- Caps & tubes  |
| LOXILENE PPH UV3 08036     |                |  | ×                                      | Unfilled UV stabilized                  | ↑  | ↑                     | ↔           | ↔                         | ↑            | ↔                      | ↔               | ↔                         | ↓               | ↑                   | ↑                   | Electrical & Electronics:   |
| LOXILENE PPH IM3 08045     |                |  | ×                                      | Unfilled Impact modified                | ↑  | ↑                     | ↔           | ↑                         | ↑            | ↔                      | ↑               | ↑                         | ↔               | ↑                   | ↑                   | Profiles, Sheet Extrusion Application   |
| LOXILENE PPH FRV0 AM 08061 |                |  | ✓                                      | Unfilled, Antimicrobial Flame Retardant | ↑  | ↑                     | ↔           | ↔                         | ↔            | ↑                      | ↔               | ↔                         | ↓               | ↑                   | ↔                   | Bidet (Toilet sheet cover) Applications, Household, Car interiors   |
| LOXILENE PPH GF8 HS1 08062 |                | 8% GF  | ×                                      | 8% Glass Filled Heat Stabilized         | ↔  | ↑                     | ↔           | ↔                         | ↔            | ↔                      | ↔               | ↔                         | ↔               | ↔                   | ↔                   | Air filter, Heater & AC Components, cooling fan shrouds, Textile Bobbin<br>Automotive- Interior trim components |

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|----------------------------------|----------------|--|--|--|--|-----------------------|-------------|---------------------------|--------------|------------------------|-----------------|---------------------------|-----------------|---------------------|---------------------|---|
|                                  |                |  |  |  | Physical   |                       |             | Processing                |              | Mechanicals            |                 |                           | Resistivity     |                     |                     |   |
|                                  |                |  |  |  | Surface Finish / Appearance  | Dimensional Stability | Low Warpage | Melt/Flow Characteristics | Mold Release | Stiffness and Rigidity | Impact Strength | Low Temperature Ductility | Heat Resistance | Chemical Resistance | Abrasion Resistance |   |
| LOXILENE PP TA10 UV3 HS1 IM3 080 | PP             | 10% TA   | ×                                      | 10% Talc Filled<br>High UV stabilized          | ↑  | ↑                     | ↑           | ↔                         | ↔            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Automotive component, Bumper & sill covers, cooling fan, Bumper                                   |
| LOXILENE PPH MR10 08023          |                | 10% MR   | ×                                      | 10% Mineral Filled<br>Heat stabilized          | ↑  | ↑                     | ↑           | ↑                         | ↔            | ↑                      | ↔               | ↔                         | ↔               | ↑                   | ↑                   | Automotive interior components, Electric Iron Body  |
| LOXILENE PPB GFCC10 08002        |                | 10% GF   | ×                                      | 10% Glass Filled<br>Heat stabilized            | ↔  | ↑                     | ↔           | ↔                         | ↔            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Middle layer of pipes, Thermoform industrial components, Blow molded industrial, containers, Pipe |
| LOXILENE PPC GFCC10 UV3 08040    |                |  | ×                                      | 10% Glass Filled<br>High UV stabilized         | ↔  | ↑                     | ↔           | ↔                         | ↔            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Outdoor Furniture   |
| LOXILENE PPH GF15 UV1 08032      |                | 15% GF   | ×                                      | 15% Glass Filled<br>UV Stabilized              | ↔  | ↔                     | ↔           | ↔                         | ↔            | ↑                      | ↔               | ↓                         | ↔               | ↑                   | ↑                   | Automotive interior components, cooling fans, Air inlet, Steering wheel covers, Textile Bobbin    |
| LOXILENE PP TA15 UV3 HS1 IM3 080 |                | 15% TA   | ×                                      | 15% Talc Filled<br>High Impact & UV Stabilized | ↔  | ↑                     | ↑           | ↔                         | ↔            | ↔                      | ↔               | ↑                         | ↑               | ↔                   | ↑                   | ↑   |

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|--------------------------------|----------------|--|--|---|--|-----------------------|-------------|---------------------------|--------------|------------------------|-----------------|---------------------------|-----------------|---------------------|---------------------|---|
|                                |                |  |  |   | Physical   |                       |             | Processing                |              | Mechanicals            |                 |                           | Resistivity     |                     |                     |   |
|                                |                |  |  |   | Surface Finish / Appearance  | Dimensional Stability | Low Warpage | Melt/Flow Characteristics | Mold Release | Stiffness and Rigidity | Impact Strength | Low Temperature Ductility | Heat Resistance | Chemical Resistance | Abrasion Resistance |   |
| LOXILENE PPH TA20 08010        | PP             | 20% TA   | *                                      | 20% Talc Filled Heat stabilized             | ↑  | ↑                     | ↑           | ↔                         | ↔            | ↑                      | ↔               | ↓                         | ↑               | ↑                   | ↑                   | Automotive under hood application, Cooling fans, washing machine components, Air inlet, interior door trims, Table Fan                        |
| LOXILENE PP TA20 08012         |                |  | *                                      | 20% Talc Filled Heat stabilized             | ↔  | ↑                     | ↑           | ↔                         | ↔            | ↑                      | ↔               | ↓                         | ↔               | ↑                   | ↑                   | Automotive- under hood application, Cooling fans, Head light housing, washing machine components, Air inlet, interior door trims, BCM Housing |
| LOXILENE PP TA20 UV1 08015     |                |  | *                                      | 20% Talc Filled UV Stabilized               | ↑  | ↑                     | ↑           | ↔                         | ↔            | ↔                      | ↑               | ↑                         | ↔               | ↑                   | ↑                   | Automotive- Interior Trim & gate housing, head lamp housing, tail lamp housing, Heater & AC unit, battery tray                                |
| LOXILENE PPC TA20 08048        |                |  | *                                      | 20% Talc Filled Heat stabilized             | ↑  | ↑                     | ↑           | ↔                         | ↔            | ↑                      | ↔               | ↔                         | ↔               | ↑                   | ↑                   | Blow molding of industrial containers, middle layer of pipes, thermoform industrial components, washing machine components, Blow Duct         |
| LOXILENE PP TA20 UV3 IM3 08050 |                | 20% TA   | *                                      | 20% Talc Filled High Impact & UV Stabilized | ↑  | ↑                     | ↑           | ↔                         | ↔            | ↑                      | ↑               | ↑                         | ↔               | ↑                   | ↑                   | Automotive- Steering Column Shroud, Interior components   |
| LOXILENE PPH TA20 08060        |                |  | *                                      | 20% Talc Filled Heat stabilized             | ↔  | ↑                     | ↑           | ↑                         | ↔            | ↔                      | ↔               | ↓                         | ↔               | ↑                   | ↑                   | Air Duct Middle Air inlets Cooling Fans   |

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|---------------------------|----------------|--|--|-------------------------------------|--|-----------------------|-------------|---------------------------|--------------|------------------------|-----------------|---------------------------|-----------------|---------------------|---------------------|---|--|
|                           |                |  |  |                                     | Physical   |                       |             | Processing                |              | Mechanicals            |                 |                           | Resistivity     |                     |                     |   |  |
|                           |                |  |  |                                     | Surface Finish /Appearance   | Dimensional Stability | Low Warpage | Melt/Flow Characteristics | Mold Release | Stiffness and Rigidity | Impact Strength | Low Temperature Ductility | Heat Resistance | Chemical Resistance | Abrasion Resistance |   |  |
| LOXILENE PPB GFCC20 08003 | PP             | 20% GF   | *                                      | 20% Glass Filled<br>Heat stabilized | ↔  | ↑                     | ↑           | ↓                         | ↔            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Pipe<br>Air Inlets<br>Head light housings   |  |
| LOXILENE PPH GFCC20 08004 |                | 20% GF   | *                                      | 20% Glass Filled<br>Heat stabilized | ↔  | ↑                     | ↑           | ↔                         | ↔            | ↑                      | ↔               | ↔                         | ↑               | ↑                   | ↑                   | Cyclone Separator<br>Heater & AC components |  |
| LOXILENE PPH GFCC20 08005 |                |  | *                                      | 20% Glass Filled<br>Heat stabilized | ↔  | ↑                     | ↑           | ↔                         | ↔            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | ↑   | Textile Bobbin<br>Head light housings      |
| LOXILENE PPH GFCC20 08006 |                |  | *                                      | 20% Glass Filled<br>Heat stabilized | ↑  | ↑                     | ↑           | ↔                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | ↑   | Coolant Tank<br>Air Inlets                 |
| LOXILENE PPC GFCC20 08020 |                |  | *                                      | 20% Glass Filled<br>Heat stabilized | ↑  | ↑                     | ↑           | ↓                         | ↔            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | ↑   | Pipe<br>Blow moulded Industrial containers |
| LOXILENE PP GFCC20 08029  |                |  | *                                      | 20% Glass Filled<br>Heat Stabilized | ↔  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | ↑   | Cyclone Separator<br>Cooling fan Shrouds   |

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|----------------------------------|----------------|--|--|--|--|-----------------------|-------------|---------------------------|--------------|------------------------|-----------------|---------------------------|-----------------|---------------------|---------------------|--|
|                                  |                |  |  |  | Physical   |                       |             | Processing                |              | Mechanicals            |                 |                           | Resistivity     |                     |                     |  |
|                                  |                |  |  |  | Surface Finish / Appearance  | Dimensional Stability | Low Warpage | Melt/Flow Characteristics | Mold Release | Stiffness and Rigidity | Impact Strength | Low Temperature Ductility | Heat Resistance | Chemical Resistance | Abrasion Resistance |  |
| LOXILENE PPC GFCC20 UV3 08041    | PP             | 20% GF   | *                                      | 20% Glass Filled<br>High UV Stabilized         | ↔  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Outdoor Furniture<br>Pipe & Profiles<br>Blow moulded Industrial containers |
| LOXILENE PP TA30 UV3 HS1 IM2 080 |                | 30% TA   | *                                      | 30% Talc Filled<br>High Impact & UV Stabilized | ↔  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Ventilation Grill,<br>Fog Lamp Cover                                       |
| LOXILENE PPH GFCC30 08007        |                | 30% GF   | *                                      | 30% Talc Filled<br>Heat stabilized             | ↑  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Pipe<br>Head light Housings<br>Air Inlets                                  |
| LOXILENE PPH GF30 08008          |                |  | *                                      | 30% Glass Filled<br>Heat stabilized            | ↔  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Textile Bobbin<br>Air Ducts<br>Pump Housings                               |
| LOXILENE PP GF30 08013           |                |  | *                                      | 30% Glass Filled<br>Heat stabilized            | ↔  | ↑                     | ↑           | ↔                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Power Window Switch Housing<br>Automotive Battery Trays<br>Air Inlets      |
| LOXILENE PPC GFCC30 08017        |                |  | *                                      | 30% Glass Filled<br>Heat stabilized            | ↔  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | Pipe<br>Thermoformed industrial components                                 |

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|---------------------------------|----------------|--|--|--|--|-----------------------|-------------|---------------------------|--------------|------------------------|-----------------|---------------------------|-----------------|---------------------|---------------------|----------------------|---|--|
|                                 |                |  |  |  | Physical   |                       |             | Processing                |              | Mechanicals            |                 |                           | Resistivity     |                     |                     |                      |   |  |
|                                 |                |  |  |  | Surface Finish / Appearance  | Dimensional Stability | Low Warpage | Melt/Flow Characteristics | Mold Release | Stiffness and Rigidity | Impact Strength | Low Temperature Ductility | Heat Resistance | Chemical Resistance | Abrasion Resistance |                      |   |  |
| LOXILENE PP GFCC30 08018        | PP             | 30% GF   | ×                                      | 30% Glass Filled<br>Heat stabilized      | ↔  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | ↑                    | Pipe<br>Head light housings<br>Cooling Fans                           |  |
| LOXILENE PP GFCC30 BK0802 08030 |                |  | ×                                      | 30% Glass Filled<br>Heat stabilized      | ↔  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | ↑                    | ↑   | Cyclone Separator<br>Air inlets<br>Heater & AC components                  |
| LOXILENE PPC GFCC30 UV3 08042   |                |  | ×                                      | 30% Glass Filled<br>Highly UV stabilized | ↔  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↑               | ↑                   | ↑                   | ↑                    | ↑   | Outdoor Furniture<br>Pipe & Profiles<br>Blow moulded Industrial containers |
| LOXILENE PPH GFCC30 UV3 08047   |                |  | ×                                      | 30% Glass Filled<br>Highly UV stabilized | ↔  | ↑                     | ↑           | ↓                         | ↑            | ↑                      | ↑               | ↑                         | ↔               | ↑                   | ↑                   | ↑                    | ↑   | Textile Bobbins<br>Outdoor Furniture                                       |
| LOXILENE PPH TA40 BK0804 08024  |                | 40% TA   | ×                                      | 40% Talc Filled<br>Heat Stabilized       | ↔  | ↑                     | ↑           | ↔                         | ↔            | ↑                      | ↔               | ↔                         | ↑               | ↑                   | ↑                   | ↑                    | Hanger, Airvent Flap<br>Electrical plug body<br>House hold appliances |  |
| LOXILENE PP GFCC40 UV3 08056    |                | 40% GF   | ×                                      | 40% Glass Filled<br>Highly UV Stabilized | ↔  | ↑                     | ↑           | ↓                         | ↔            | ↑                      | ↑               | ↔                         | ↑               | ↑                   | ↑                   | ↑                    | Textile Bobbins<br>Outdoor furniture                                  |  |



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|-----------------------------|----------------|--|--|---|--|-----------------------|-------------|---------------------------|--------------|------------------------|-----------------|---------------------------|-----------------|---------------------|---------------------|--|
|                             |                |  |  |   | Physical   |                       |             | Processing                |              | Mechanicals            |                 |                           | Resistivity     |                     |                     |  |
|                             |                |  |  |   | Surface Finish /Appearance   | Dimensional Stability | Low Warpage | Melt/Flow Characteristics | Mold Release | Stiffness and Rigidity | Impact Strength | Low Temperature Ductility | Heat Resistance | Chemical Resistance | Abrasion Resistance |  |
| LOXILENE PP GF25GB15 08037  | PP             | 25% GF + 15% GB  | *                                      | 25% Glass + 15% Glass Bead Filled Heat Stabilized | ↔  | ↑                     | ↑           | ↓                         | ↔            | ↑                      | ↑               | ↔                         | ↑               | ↑                   | ↑                   | Vacuum Tank Bracket<br>Automotive under hood components<br>Air ducts |
| LOXILENE PPH MR40GF10 08059 |                | 40% MR + 10% GF  | *                                      | 40% Mineral + 10% Glass Filled Heat Stabilized    | ↔  | ↑                     | ↑           | ↔                         | ↔            | ↑                      | ↑               | ↔                         | ↑               | ↑                   | ↑                   | CFL<br>Electrical Appliances<br>Automotive - Cooling Fans            |