

# LOXIAMID

PA66 • PA6 • ALLOYS

Loxim Grade Name	Product Family	F / UF  (UF-Unfilled, GF-Glass Filled, MR-Mineral Filled, TA-Talc Filled)	Flame Retardant  (FR)	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	
LOXIAMID PA6 HS1 03001	PA6	UF	×	Unfilled-Heat Stabilized	↔	↔	↔	↑	↔	↑	↔	↔	↑	↑	↑	Mountings and Dowels for Furniture, Automotive – Sunroof Frames, Trim Panels
LOXIAMID PA6 LU HS1 03003			×	Unfilled-Lubricated Heat Stabilized	↔	↔	↔	↑	↑	↔	↔	↔	↑	↑	↑	Automotive – Seat Components, Gears, Casters and Fittings
LOXIAMID PA6 LU HS1 03004			×	Unfilled-Lubricated Heat Stabilized	↔	↔	↔	↑	↑	↔	↔	↔	↑	↑	↑	Gears & Fittings, Casters, Clips & Fasteners
LOXIAMID PA6 LU HS1 03005			×	Unfilled-Lubricated Heat Stabilized	↔	↔	↔	↑	↑	↔	↔	↔	↑	↑	↑	Gears & Fittings, Casters, Clips & Fasteners
LOXIAMID PA6 LU HS1 03007			×	Unfilled-Lubricated Heat Stabilized	↔	↔	↔	↑	↑	↔	↔	↔	↑	↑	↑	Gears & Fittings, Casters, Plugs and Caps, Filter Bowls
LOXIAMID PA6 LU HS1 03008			×	Unfilled-Lubricated Heat Stabilized	↔	↔	↔	↑	↑	↔	↔	↔	↑	↑	↑	Gears & Fittings, Casters, Plugs and Caps, Filter Bowls
LOXIAMID PA6 LU HS1 03029			×	Unfilled-Lubricated Heat Stabilized	↔	↔	↔	↑	↑	↔	↔	↔	↑	↑	↑	Gears & Fittings, Casters, Clips & Fasteners

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					Physical			Processing		Mechanicals			Resistivity			
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LOXIAMID PA6 HS1 IM3 03039	PA6	UF	✖	Unfilled-Heat Stabilized-Impact Modified	↔	↑	↔	↔	↔	↔	↑	↔	↑	↑	↑	Mountings and Dowels for Furniture, Construction Brackets
LOXIAMID PA6 LU HS1 03057			✖	Unfilled-Lubricated	↔	↑	↔	↔	↔	↔	↔	↔	↑	↑	↑	Gears and Fittings, Casters
LOXIAMID PA6 FRV0HF HS1 03050			✓	Unfilled-Heat stabilized Flame Retardant	↔	↑	↔	↑	↑	↔	↔	↔	↑	↑	↑	Fuse Box Cover, Appliance Housing, terminal blocks, connector clips, Junction caps
LOXIAMID PA6 GF15 HS1 03028		15% GF	✖	15% Glass Fibre Filled Heat Stabilized	↔	↑	↔	↔	↔	↑	↔	↓	↑	↑	↑	Automotive – Mirror Housing, Wheels of Mountain Bikes
LOXIAMID PA6 GF15 HS1 03012			✖	15% Glass Fibre Filled Heat Stabilized	↔	↑	↔	↔	↔	↑	↔	↓	↑	↑	↑	Automotive – Mirror Housing, Wheels of Mountain Bikes, Bicycle Pedals
LOXIAMID PA6 GF15 HS1 UV2 03021			✖	15% Glass Fibre Filled Heat & UV Stabilized	↔	↑	↔	↔	↔	↔	↔	↓	↑	↑	↑	Automotive – Mirror Housing, Wheels of Mountain Bikes, Snowboard Baseplate
LOXIAMID PA6 GF15 HS1 IM2 03052		15% GF	✖	15% Glass Fibre Filled Impact Modified	↔	↑	↔	↔	↔	↑	↑	↓	↑	↑	↑	Automotive – Functional Parts, Battery Housing

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LOXIAMID PA6 GF20 HS1 03013	PA6	20% GF	✖	20% Glass Fibre Filled Heat Stabilized	↔	↑	↔	↔	↔	↑	↔	↓	↑	↑	↑	Automotive Applications, Electrical Insulating Parts
LOXIAMID PA6 GF20 HS2 03063			✖	20% Glass Fibre Filled Heat Stabilized	↔	↑	↔	↔	↔	↑	↔	↓	↑	↑	↑	Automotive – Lever Assy, Motorbike Clutch Lever
LOXIAMID PA6 GF30 HS1 03048		30% GF	✖	Glass Fibre Filled	↔	↔	↔	↑	↑	↑	↔	↓	↑	↑	↑	Automotive – Outside Door Handle Heating and Cooling Systems
LOXIAMID PA6 GF30 HS1 03016			✖	Glass Fibre Filled	↔	↑	↔	↑	↑	↑	↑	↓	↑	↑	↑	Automotive – Handle Base Industrial Articles
LOXIAMID PA6 GF30 HS1 03015			✖	30% Glass Fibre Filled Heat Stabilized	↔	↑	↔	↑	↔	↑	↔	↓	↑	↑	↑	Gear shift stick Electrical Insulating Parts
LOXIAMID PA6 GF30 HS1 03017			✖	30% Glass Fibre Filled Heat Stabilized	↔	↑	↔	↑	↔	↑	↔	↓	↑	↑	↑	Exterior Mirror Brackets Desk Chair
LOXIAMID PA6 GF30 HS1 03019			✖	30% Glass Fibre Filled Heat Stabilized	↔	↔	↔	↔	↔	↑	↔	↓	↑	↑	↑	Exterior Door Handles External Mirror Brackets

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LOXIAMID PA6 GF30 HS1 UV3 03037	PA6	30% GF	✖	30% Glass Fibre Filled Heat & UV stabilized (Excellent UV Stability)	↔	↔	↔	↑	↔	↔	↔	↓	↑	↑	↑	Automotive – Outside Door Handle Heating and Cooling Systems
LOXIAMID PA6 GF30 HS2 IM3 03061			✖	30% GF - Heat Stabilized Impact Modified	↔	↑	↔	↑	↔	↑	↑	↓	↑	↑	↑	Automotive – Exterior Door Handle, Safety Belts, Wheels of luggage carriers
LOXIAMID PA6 GF30 HS1 03064			✖	30% GF - Heat Stabilized	↔	↑	↔	↑	↔	↑	↔	↓	↑	↑	↑	Automotive – Exterior Door Handle, Office Chairs, Safety Belts
LOXIAMID PA6 GF30 HS2 03066			✖	30% GF - Heat Stabilized	↔	↑	↔	↑	↔	↑	↔	↓	↑	↑	↑	Automotive – Inlet Manifold Assembly, Industrial Articles, Exterior Mirror Brackets
LOXIAMID PA6 MR20GF10 HS2 03030		20% MR + 10% GF	✖	Mineral - 20% & Glass Fibre - 10%	↑	↑	↑	↑	↑	↑	↔	↓	↑	↑	↑	Automotive – Engine Cover, Exterior Door Handles, Housings Frames, Pressure Regulator Housings
LOXIAMID PA6 MR15GF25 HS1 03068		15% MR + 15% GF	✖	Mineral - 15% & Glass Fibre - 25%	↑	↑	↑	↑	↑	↑	↑	↓	↑	↑	↑	Automotive – Mirror Base and Brackets Exterior Door Handles
LOXIAMID PA6 GF35 HS1 03036		35% GF	✖	35% GF - Heat Stabilized	↔	↑	↔	↔	↔	↑	↔	↓	↑	↑	↑	Automotive – Fuel System Components, Cooling Fans and Shrouds, Automotive Air Inlet Manifolds

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LOXIAMID PA6 GF40 HS1 03038	PA6	40% GF	✖	40% GF - Heat Stabilized	↔	↑	↑	↔	↔	↑	↔	↔	↑	↑	↑	Automotive –Acceleration & Break pedal, Pedal Modules Industrial Articles, Electrical insulating parts	
LOXIAMID PA66 04026	PA66	UF	✖	High Flow, Impact modified	↑	↔	↔	↑	↔	↔	↔	↔	↔	↔	↔	Automotive – Inside Door Handle High Stress Technical Parts Gears and Fittings	
LOXIAMID PA66 HS1 IM2 04024			✖	Impact Modified Grade	↑	↑	↔	↔	↔	↔	↑	↔	↔	↔	↔	High Stress Technical Parts Gears and Fittings Bearings and Bearing Cages	
LOXIAMID PA66 HS1 IM2 04023			✖	Impact Modified Grade	↑	↔	↔	↔	↔	↑	↑	↔	↔	↔	↔	High Stress Technical Parts Gears and Fittings Bearings and Bearing Cages	
LOXIAMID PA66 LU HS1 IM1 04040			✖	High Flow Impact Modified	↑	↔	↔	↑	↑	↔	↑	↔	↔	↔	↔	Automotive – Inside Door Handle High Stress Technical Parts Gears and Fittings	
LOXIAMID PA66 HS1 04018			✖	Heat Stabilised Grade	↑	↑	↔	↔	↔	↑	↔	↔	↔	↔	↔	High Stress Technical Parts Gears and Fittings Electrically Insulating Parts	
LOXIAMID PA66 04004			✖	Injection Molding Grade	↔	↔	↔	↑	↔	↔	↔	↔	↔	↔	↑	↑	Automotive – Inside Door Handle High Stress Technical Parts Gears and Fittings

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LOXIAMID PA66 04001	PA66	UF	✖	Injection Molding Grade	↔	↔	↔	↑	↔	↔	↔	↔	↑	↑	↑	Automotive – Inside Door Handles High Stress Technical Parts Gears and Fittings
LOXIAMID PA66 04007			✖	Injection Molding Grade	↔	↑	↔	↑	↔	↑	↔	↔	↑	↑	↑	High Stress Technical Parts Gears and Fittings Electrically Insulating Parts
LOXIAMID PA66 FRV0 HS2 IM1 04064			✓	Impact Modified & Heat Stablize Grade	↑	↔	↔	↔	↔	↑	↔	↔	↑	↔	↔	Mining Rolls Electrically Conducting Parts
LOXIAMID PA66 FRV0HF 04044			✓	Halogen Free Flame Retardant	↑	↔	↔	↑	↔	↔	↔	↔	↑	↑	↑	Electrical Connectors MCB Switch Boards Electrical Housing Panels
LOXIAMID PA66 MR15 HS1 04010		15 % MR	✖	15 % Mineral Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↔	↔	↔	Automotive – Wheel Cover Electrical Insulating Parts Domestic Appliances
LOXIAMID PA66 GF25 04017		25 % GF	✖	25 % Glass Fibre Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑	Automotive – Air Intake Manifolds Suspension Components Cylinder Head Covers
PA66 GF25 HS1 04027			✖	25% Glass Fibre Filled	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑	Automotive –Door Handle Bracket Cooling Fans Electric Insulating Parts



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LOXIAMID PA66 GF25 HS3 HR2 04062	PA66	25 % GF	✖	High Hydrolysis and Heat Aging Resistance	↔	↑	↔	↔	↔	↑	↔	↔	↑	↔	↔	Automotive – Heating and Cooling Systems for Radiators UFI Filter Sensor Electric Insulating Parts
LOXIAMID PA66 FRV0HF GF25 HS1 04030			✓	Halogen Free Flame Retardant	↑	↔	↔	↑	↔	↔	↔	↔	↑	↑	↑	Electrical Insulating Parts MCB Switch Boards Electrical Housing Panels
LOXIAMID PA66 FRV0HF GF25 HS2 04045			✓	Halogen Free Flame Retardant	↑	↔	↔	↑	↔	↔	↔	↔	↑	↑	↑	Electrical Connectors MCB Switch Boards Electrical Conversion Devices
PA66 GF30 HS1 04011		30 % GF	✖	30 % Glass Fibre Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑	Automotive – Water Containers for Cooling Systems, Arm Visors Mirror Holders Cooling Fans
LOXIAMID PA66 GF30 HS1 04012			✖	30 % Glass Fibre Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑	Automotive – Water Containers for Cooling Systems Insulating Profiles for Aluminium Window Frames Electric Insulating Parts
PA66 GF30 HS1 04013		30 % GF	✖	30 % Glass Fibre Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑	Automotive – Water Containers for Cooling Systems Radiator Top Covers Insulating Profiles for Aluminium Window Frames
LOXIAMID PA66 GF30 HS2 04055			✖	30 % Glass Fibre Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑	Automotive – Water Containers for Cooling Systems Radiator Top Covers Insulating Profiles for Aluminium Window Frames

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LOXIAMID PA66 GF30 HS3 HR2 04032	PA66	30 % GF	✖	Heat Stabilized Hydrolysis Resistant	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑	Automotive – Heating and Cooling Systems for Radiators Thermostat Components Electric Insulating Parts
LOXIAMID PA66 CF15GF15 FRV0 HS1 04065		15% GF + 15% CF	✓	Electrical conductive And Flame Retardent Grade	↔	↑	↔	↔	↔	↑	↔	↔	↔	↔	↔	Mining Rolls Electrically Conducting Parts
LOXIAMID PA66 MR17GF21 HS2 04061		21 % GF + 17% MR	✖	21% Glass Fibre Filled, 17 % Mineral Reinforced	↑	↑	↔	↔	↔	↑	↑	↔	↑	↑	↑	Automotive – Cooling Fan Module and Shroud. Aircon Door Shutter Small Circuit Breakers
LOXIAMID PA66 GF33 HS1 04014		33 % GF	✖	Glass Fibre Filled & Heat Stabilised Grade	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑	Automotive – Water Containers for Cooling Systems Gears and Casters Electric Insulating Part Covers
LOXIAMID PA66 GF33 HS1 04015			✖	Glass Fibre Filled & Heat Stabilised Grade	↔	↑	↔	↔	↔	↑	↑	↔	↑	↑	↑	Automotive – Water Containers for Cooling Systems Gears and Casters Electric Insulating Part Covers
LOXIAMID PA66 GF33 HS1 04042		33% GF	✖	Glass Fibre Filled & Heat Stabilised Grade	↑	↑	↔	↔	↔	↑	↑	↔	↑	↑	↑	Automotive – Water Containers for Cooling Systems Gears and Casters Electric Insulating Part Covers
LOXIAMID PA66 GF33 HS1 04052		33% GF	✖	Glass Fibre Filled & Heat Stabilised Grade	↔	↑	↔	↔	↔	↑	↑	↔	↑	↑	↑	Automotive – Water Containers for Cooling Systems Gears and Casters Electric Insulating Part Covers



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LOXIAMID PA66 GF35 HS2 04057	PA66	33% GF	×	Heat Stabilised	↑	↑	↔	↔	↔	↑	↑	↔	↑	↑	↑	Automotive – Radiator Components Air Intake Manifolds Cooling Fans and Shrouds
LOXIAMID PA66 GF35 HS2 HR2 04058			×	35% Glass Fibre Filled Heat & Hydrolytic Stabilized	↔	↑	↔	↔	↑	↑	↑	↔	↑	↑	↑	Automotive – Gear shifting systems, Cable contacts & Components, Gearwheels, Solenoid Valve housings, Electric Insulating Parts
LOXIAMID PA66 MR40 HS1 04063		40 % MR	×	Mineral Reinforced 40 %	↔	↑	↔	↔	↔	↔	↑	↔	↑	↑	↑	Aircon Door Shutter Small Circuit Breakers,Fuse Holders Automotive Cooling Fan Module and Shroud
LOXIAMID PA66 GF50 HS1 04056		50 % GF	×	50% Glass Fibre Filled & Heat Stabilised Grade	↑	↑	↔	↔	↔	↔	↑	↓	↑	↑	↑	Automotive – Side Door Mirror Housing, Fins Extrusion Profiles for Windows Highly Rigid Industrial Articles
LOXIAMID PA66 GF50 HS1 04022		50 % GF	×	50% Glass Fibre Filled & Heat Stabilised Grade	↔	↑	↔	↔	↔	↔	↑	↓	↑	↑	↑	Automotive – Side Door Mirror Housing Highly Rigid Industrial Articles Power Tool Housings
LOXIAMID PA66 GF50 HS2 04039			×	50% Glass Fibre Filled & Heat Stabilised Grade	↔	↑	↔	↔	↔	↔	↑	↔	↑	↑	↑	Automotive – Side Door Mirror Housing. Highly Rigid Industrial Articles Power Tool Housings
LOXIAMID PA6/ABS HS1 UV1 09001		UF	×	Heat Stabilised, UV Treated.	↑	↔	↔	↑	↔	↑	↔	↑	↑	↑	↑	Auto-Door Switch Bezels, Unpainted Auto Interiors, Centre Consoles, Loud Speaker Grills, Gardening Tools.

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LOXIAMID PA6/ABS HS1 09002	PA6/ABS	UF	×	Heat Stabilised	↑	↔	↔	↑	↔	↑	↔	↑	↑	↑	↑	Auto-Painted Exterior Applications, Centre Consoles, Loud Speaker Grills, Gardening Tools.	
LOXIAMID PA6/ABS HS2 UV1 09005			×	High Heat Stabilised, UV Treated.	↑	↔	↔	↑	↔	↔	↔	↑	↑	↑	↑	Auto-Door Switch Bezels, Unpainted Auto Interiors, Centre Consoles, Loud Speaker Grills, Gardening Tools.	