

LEMALLOY® PX603Y

Polyphenylene Ether + PP

Mitsubishi Engineering-Plastics Corp

Message:

LEMALLOY® PX603Y is a Polyphenylene Ether + PP (PPE+PP) material. It is available in Asia Pacific, Europe, or North America for injection molding.
Primary attribute of LEMALLOY® PX603Y: High Flow.

General Information			
Features	High Flow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/5.0 kg)	55.0	cm ³ /10min	ISO 1133
Molding Shrinkage			
Across Flow : 3.20 mm	1.1 to 1.3	%	
Flow : 3.20 mm	1.0 to 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1900	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	42.0	MPa	ISO 527-2
Flexural Modulus (23°C)	1900	MPa	ISO 178
Flexural Stress (23°C)	59.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	120	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Drying Temperature	110 to 120	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	240 to 270	°C	
Middle Temperature	250 to 290	°C	
Front Temperature	250 to 290	°C	
Nozzle Temperature	250 to 290	°C	
Mold Temperature	60.0 to 100	°C	
Injection Pressure	20.0 to 150	MPa	
Injection Rate	Moderate		
Screw Speed	60 to 150	rpm	

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Recommended distributors for this material

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