

IPC PP 4825C-M

Polypropylene Copolymer

International Polymers Corporation

Message:

IPC PP 4825C-M is a polypropylene copolymer material, which contains 25% mica filler. This product is available in North America. The main characteristics of IPC PP 4825C-M are: copolymer.

The typical application field of IPC PP 4825C-M is: automotive industry

General Information			
Filler / Reinforcement	Mica filler, 25% filler by weight		
Features	Copolymer		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.80	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	42.0	MPa	ISO 527-2
Flexural Modulus	6200	MPa	ISO 178
Shear Modulus	3300	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	2.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	140	°C	ISO 75-2/B
1.8 MPa, not annealed	105	°C	ISO 75-2/A
Additional Information			

The value listed as Shear Modulus, ASTM D732 was tested in accordance with ASTM D4065.Melt Mass-Flow Rate, ISO 1133, 230°C/2.16 kg: 10.0 to 14.0 g/10 minThe value listed as Molding Shrinkage, ISO 294-4 was tested in accordance with ISO 2577.

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