

ASI POLYPROPYLENE 1259

Polypropylene Impact Copolymer

A. Schulman Inc.

Message:

PP 1259 is a medium impact polypropylene with easier molding characteristics for thinner parts and longer flow distances. Lower molding pressures and heats often reduce warpage and mold cycles. Approved for automotive use.

General Information			
Features	Low warpage		
	Impact copolymer		
	Workability, good		
	Fast molding cycle		
	Medium impact resistance		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	24.1	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130	J/m	ASTM D256
Unnotched Izod Impact	1600	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	90.6	°C	ASTM D648
1.8 MPa, not annealed	57.2	°C	ASTM D648
Melting Temperature ²	166	°C	Internal method
Flammability	Nominal Value	Unit	
Burning Rate	36	mm/min	
NOTE			
1.	51 mm/min		
2.	Fisher Johns		

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