

ASI POLYPROPYLENE 2173-01

Polypropylene Impact Copolymer

A. Schulman Inc.

Message:

Polypropylene PP 2173 is a relatively medium flow, high-impact polypropylene for injection molded parts.

General Information			
Features	High Impact Resistance		
	Impact Copolymer		
	Medium Flow		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
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)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	65		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.1	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	965	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	530	J/m	ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D256
Gardner Impact (-29°C)	> 40.7	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648
NOTE			
1.	51 mm/min		

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Recommended distributors for this material

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