

ASI POLYPROPYLENE 1277E-01

Polypropylene Impact Copolymer

A. Schulman Inc.

Message:

PP 1277E is a low-flow, high impact polypropylene for film, profile, tubing and coating, which require a material with the physical properties of those summarized below:

General Information			
Features	High Impact Resistance		
	Impact Copolymer		
	Low Flow		
Uses	Coating Applications		
	Film		
	Profiles		
	Tubing		
Forms	Pellets		
Processing Method	Blow Molding		
	Compounding		
	Extrusion		
	Sheet Extrusion		
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)	0.30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	29.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D256
Gardner Impact (23°C)	33.9	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	76.0	°C	
1.8 MPa, Unannealed	50.0	°C	

NOTE

1. 51 mm/min

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Recommended distributors for this material

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