

ASI POLYPROPYLENE PP 3503-01

Polypropylene Homopolymer

A. Schulman Inc.

Message:

PP 3503 is a high-flow homopolymer polypropylene designed for general purpose injection molding applications where parts require excellent stiffness. Typical properties are summarized below:

General Information			
Features	High Flow		
	Homopolymer		
Uses	Household Goods		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	65	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	37.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	7.0	%	ASTM D638
Flexural Modulus - Tangent ³	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	14	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	13 mm/min		

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