3950 Polypropylene Impact Copolymer

3950 is a low gloss, high impact nucleated polypropylene copolymer. It is best suited for automotive interior trim applications and other injection molding applications where high melt fluidity is important.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.903 g/cc	**D792**
Melt Flow Rate, 230°C/2.16 kg	—	34.00 g/10 min	**D1238**
Injection Molded Sample			
Tensile Strength (2 in/min)			**D638**
@ Yield	3,900 psi	26.9 MPa	
@ Break	2,785 psi	19.2 MPa	
Elongation (2 in/min)			**D638**
@ Yield	5.23%	5.23%	
@ Break	132%	132%	
Flexural Modulus			**D790A**
1% Secant	173,400 psi	1,195 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	2.8 ft-lbf/in	14.7 kJ/m²	
@ - 20 C	1.2 ft-lbf/in	6.2 kJ/m²	
Hardness			
Rockwell R	89	89	**D785**
Vicat Softening Point	304 F	151 C	**D1525**
Heat Deflection Temperature			**D648**
@ 66 psi (455 kPa)	223 F	106 C	
@ 264 psi (1,820 kPa)	135 F	57 C	
Gloss Units, 60° angle		69.2	**D2457**
Instrumented Impact			**D3763**
@ 23 C	Ductile	Ductile	
@-20 C	Ductile	Ductile	
Brittleness Temperature	-22 to -4 F	-30 to -20 C	**D746**
Shrinkage at 23°C, in/in	MD: 1.53%	TD: 1.63%	**D955**
UL Listing Designations			
Flammability, mm/min		24.1	
FMVSS 302			
UL Recognition			**UL94**
Flammability Classification, 1.50 mm, no color, 3.00 mm, NC		HB	
Hot-Wire Ignition Classification			**UL746**
1.50 mm, NC, 3.00 mm, NC		PLC3	

[1] **Typical properties will vary and are not to be used for specifications.**

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INEOS Olefins & Polymers USA

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or call + 1-800-527-5419.

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