



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 Properties¹

	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/m ²	
@ - 20 C	1.2 ft-lbf/in	6.2 kJ/m ²	
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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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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For additional information, samples, pricing and availability, please contact:

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