

INEOS PP 3950

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

Grade 3950 typically has a 35 melt flow rate and is a low gloss, high impact polypropylene copolymer. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Applications

Automotive interior trim

Benefits

Low gloss

High impact resistance w/ very good stiffness

General Information			
UL YellowCard	E31830-101158381		
Features	Food Contact Acceptable		
	Good Stiffness		
	High Impact Resistance		
	Impact Copolymer		
	Low Gloss		
Uses	Automotive Interior Trim		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	34	g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
23°C, 24 hr	1.6	%	
23°C, 48 hr	1.6	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	79		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	24.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	> 50	%	ASTM D638
Flexural Modulus (23°C)	1310	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.18 mm	50	J/m	
23°C, 3.18 mm	140	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Hot-wire Ignition (HWI) ¹			UL 746
1.50 mm	PLC 3		
3.00 mm	PLC 3		
Flammability	Nominal Value	Unit	Test Method
Burning Rate	28	mm/min	FMVSS 302
Flame Rating			UL 94
1.50 mm, No Color	HB		
3.00 mm, No Color	HB		
NOTE			
1.	No Color		

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