



INEOS PP L70J-00

INEOS Olefins & Polymers USA - Polypropylene Impact Copolymer

Tuesday, November 5, 2019

General Information

Product Description

L70J-00 is a high melt flow rate, nucleated, lightly antistated impact copolymer polypropylene designed for high stiffness, thin-walled containers having a high length-to-thickness ratio (L/T). This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Antistatic • Nucleating Agent
Features	• Antistatic • High Flow • Impact Copolymer • Food Contact Acceptable • High Stiffness • Nucleated
Uses	• Thin-walled Containers
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.912		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	4130	psi	ASTM D638
Tensile Strength ² (Break, Injection Molded)	2410	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	4.9	%	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	38	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	225000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-4°F, Injection Molded	0.61	ft-lb/in	
73°F, Injection Molded	1.2	ft-lb/in	
Notched Izod Impact (Area)			ASTM D256
-4°F, Injection Molded	1.52	ft-lb/in ²	
73°F, Injection Molded	3.05	ft-lb/in ²	
Instrumented Impact, Ductility			ASTM D3763
-4°F	Brittle		
73°F	Mixed		
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	95		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	248	°F	
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, Injection Molded	136	°F	

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Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	302	°F	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	66		ASTM D2457

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min