

INEOS PP L70J-00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers USA

Message:

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 Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	High Flow		
	High Stiffness		
	Impact Copolymer		
	Nucleated		
Uses	Thin-walled Containers		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	28.4	MPa	
Break	16.6	MPa	
Tensile Elongation ²			ASTM D638
Yield	4.9	%	
Break	38	%	
Flexural Modulus - 1% Secant	1550	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	33	J/m	
23°C	65	J/m	

Notched Izod Impact (Area)			ASTM D256
-20°C	3.20	kJ/m ²	
23°C	6.40	kJ/m ²	
Instrumented Impact, Ductility			ASTM D3763
-20°C	Brittle		
23°C	Mixed		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	120	°C	
1.8 MPa, Unannealed	57.8	°C	
Vicat Softening Temperature	151	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gloss (60°)	66		ASTM D2457
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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