L70J-00 Polypropylene Impact Copolymer

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.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.910 g/cc	**D792**
Melt Flow Rate, 230 C/2.16 kg	—	70 g/10 min	**D1238**
Injection Molded Sample			
Tensile Strength (2 in/min)			**D638**
@ Yield	4,125 psi	28.4 MPa	
@ Break	2,410 psi	16.6 MPa	
Elongation (2 in/min)			**D638**
@ Yield	4.85 %		
@ Break	37.5 %		
Flexural Modulus			**D790A**
1% Secant	225,000 psi	1,550 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	1.22 ft.-lbf/in	6.4 kJ/m²	
@ - 20 C	0.61 ft.-lbf/in	3.2 kJ/m²	
Rockwell Hardness, R-scale		95	**D785**
Vicat Softening Point	302 F	150 C	**D1525**
Heat Deflection Temperature			**D648**
@ 66 psi (455 kPa)	248 F	120 C	
@ 264 psi (1,820 kPa)	136 F	58 C	
Gloss Units, 60° angle		66.3	**D2457**
Instrumented Impact			**D3763**
@ 23 C	—	Mixed	
@-20 C	—	Brittle	

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

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