

L70Z-01 Polypropylene Impact Copolymer

L70Z-01 is a nucleated and antistatic high flow polypropylene medium impact copolymer designed for thin walled injection molding applications and closures. This product meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
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	3,347 psi	23.1 MPa	
@ Break	2,633 psi	18.1 MPa	
Elongation (2 in/min)			D638
@ Yield	5.15 %		
@ Break	43.5 %		
Flexural Modulus			D790A
1% Secant	168,000 psi	1,160 MPa	
Notched Izod Impact Strength			D256
@ 23 C	2.30 ft.-lbf/in	12.2 kJ/m ²	
@ - 20 C	1.0 ft.-lbf/in	5.4 kJ/m ²	
Hardness			
Rockwell R		76.5	D785
Vicat Softening Point	295 F	146 C	D1525
Heat Deflection Temperature			
@ 66 psi (455 kPa)	220 F	105 C	
@ 264 psi (1,820 kPa)	126.5 F	52.5 C	
Gloss Units, 60° angle		63	D2457
Instrumented Impact (failure mode: ductile, brittle, mixed)			
@ 23 C	Ductile	Ductile	D3763
@ -20 C	Mixed	Mixed	

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