

L25Zh00 Polypropylene Impact Copolymer

L25Zh00 is an ultra-high melt flow rate, nucleated, antistatic and lubricated impact copolymer polypropylene designed for an optimum balance of stiffness and impact resistance required for high-speed, thin-walled injection molding, and high length-to-thickness ratio rigid packaging applications. This material 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	—	0.908 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	130 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	4,265 psi	28.6 MPa	
@ Break	3,495 psi	24.1 MPa	
Elongation (2 in/min)			D638
@ Yield	5.43%	5.43%	
@ Break	18%	18%	
Flexural Modulus			D790A
1% Secant	201,500 psi	1,390 MPa	
Notched Izod Impact Strength			D256
@ 23 C	1.13 ft.-lbf/in	5.94 kJ/m ²	
@ - 20 C	0.64 ft.-lbf/in	3.34 kJ/m ²	
Hardness			
Rockwell R	94	94	D2240
Vicat Softening Point	302 F	150 C	D1525
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	233.5 F	112 C	
@ 264 psi (1,820 kPa)	136.5 F	58 C	
Gloss Units, 60° angle		74	D2457
Instrumented Impact (failure mode: ductile, brittle, mixed)			D3763
@ 23°C		Ductile	
@ -20°C		Brittle	

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