

# 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 Properties<sup>1</sup>

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.908 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	130 g/10 min	D1238
<b>Injection Molded Sample</b>			
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 <sup>2</sup>	
@ -20 C	0.64 ft.-lbf/in	3.34 kJ/m <sup>2</sup>	
Hardness			
Rockwell R	94	94	D785
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	74	D2457
Instrumented Impact			D3763
@ 23 C	Ductile	Ductile	
@ -20 C	Brittle	Brittle	

<sup>1</sup> Typical properties will vary and are not to be used for specifications.