

L80Z-00 Polypropylene Impact Copolymer

L80Z-00 is a high melt flow rate nucleated and antistatic medium impact copolymer designed for high-speed thin walled injection molding applications. 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	—	80 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	3,330 psi	23.0 MPa	
@ Break	2,633 psi	18.1 MPa	
Elongation (2 in/min)			D638
@ Yield	5.18 %	5.18 %	
@ Break	40.5 %	40.5 %	
Flexural Modulus			D790A
1% Secant	164,300 psi	1,127 MPa	
Notched Izod Impact Strength			D256
@ 23 C	2.45 ft.-lbf/in	12.8 kJ/m ²	
@ -20 C	1.0 ft.-lbf/in	5.35 kJ/m ²	
Hardness			
Rockwell R	74.5	74.5	D785
Vicat Softening Point	295 F	146 C	D1525
Heat Deflection Temperature			
@ 66 psi (455 kPa)	214 F	101 C	
@ 264 psi (1,820 kPa)	125 F	51.7 C	
Gloss Units, 60° angle	64.5	64.5	D2457
Instrumented Impact			
@ 23 C	Ductile	Ductile	D3763
@ -20 C	Mixed	Mixed	

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