

# L10G-00 Polypropylene Impact Copolymer

L10G-00 is a medium melt flow rate, barefoot impact copolymer polypropylene designed for injection molding, compounding applications, and consumer products. Characteristics of this grade include high impact resistance and high flexural modulus. 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	—	0.906 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	10.0 g/10 min	D1238
<b>Injection Molded Sample</b>			
Tensile Strength (2 in/min)			D638
@ Yield	3,870 psi	26.7 MPa	
@ Break	2,240 psi	15.4 MPa	
Elongation (2 in/min)			D638
@ Yield	7 %	7 %	
@ Break	247 %	247 %	
Flexural Modulus			D790A
1% Secant	172,000 psi	1,190 MPa	
Notched Izod Impact Strength			D256
@ 23 C	2.5 ft-lbf/in	12.9 kJ/m <sup>2</sup>	
@ - 20 C	0.8 ft-lbf/in	4.4 kJ/m <sup>2</sup>	
Hardness			
Rockwell R	90	90	D785
Vicat Temperature	254 F	152 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	199 F	93 C	
@ 264 psi (1,820 kPa)	125 F	51 C	
Gloss at 60° angle	83	83	D2457
Instrumented Impact			D3763
@ 23 C	Ductile	Ductile	
@ -20 C	Mixed	Mixed	

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