

# H12Z-02 Polypropylene Homopolymer

H12Z-02 is a nucleated and antistatic polypropylene homopolymer designed for general purpose injection molding applications that require superior mold release properties. 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	—	12.8 g/10 min	D1238
<b>Injection Molded Samples</b>			
Tensile Strength (2 in/min)			D638
@ Yield	5,370 psi	37.0 MPa	
@ Break	2,520 psi	17.4 MPa	
Elongation (2 in/min)			D638
@ Yield	—	9.0 %	
@ Break	—	75 %	
Flexural Modulus			D790A
1% Secant	265,000 psi	1,730 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.8 ft-lb <sub>f</sub> /in	4.0 kJ/m <sup>2</sup>	
Hardness			D785
Rockwell R	—	100	
Deflection Temperature			D648
@ 66 psi (455 kPa)	241 F	116 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	—	56 %	
Gloss at 60 ° angle (Gloss Units)	—	90	D2457

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