

# H28E-00 Polypropylene Homopolymer

H28E-00 is an antistated, controlled rheology polypropylene homopolymer designed for injection molding applications that require improved impact characteristics. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

## Typical Properties<sup>1</sup>

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.9086 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	28 g/10 min	D1238
<b>Injection Molded Samples</b>			
Tensile Strength (2 in/min)			D638
@ Yield	4,990 psi	34.4 MPa	
@ Break	2,190 psi	15.1 MPa	
Elongation (2 in/min)			D638
@ Yield	11.5 %	11.5 %	
@ Break	291 %	291 %	
Flexural Modulus			D790A
1% Secant	194,700 psi	1,342 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.55 ft-lbf/in	2.91 kJ/m <sup>2</sup>	
Hardness			D2240
Rockwell R	95.7	95.7	
Deflection Temperature			D648
@ 66 psi (455 kPa)	197 F	91.8 C	
Gloss at 60 ° angle	91.3	91.3	D2457

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