

H28G-00 Polypropylene Homopolymer

H28G-00 is a controlled rheology polypropylene homopolymer designed for high tenacity yarn applications. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.9086 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	28 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	5,100 psi	35.0 MPa	
@ Break	2,300 psi	15.8 MPa	
Elongation (2 in/min)			D638
@ Yield	10.6 %	10.6 %	
@ Break	110 %	110 %	
Flexural Modulus			D790A
1% Secant	207,000 psi	1,426 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.60 ft-lbf/in	3.0 kJ/m ²	
Hardness			D785
Rockwell R	101	101	
Deflection Temperature			D648
@ 66 psi (455 kPa)	217 F	103 C	
Gloss at 60 ° angle	93.0	93.0	D2457

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