

# H35G-00 Polypropylene Homopolymer

H35G-00 is a general purpose homopolymer designed for injection molding applications. Typical applications include rigid packaging, consumer products, housewares and fiber. Benefits include easy moldability and fast cycles at low processing temperatures. 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	—	0.9000 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	35 g/10 min	D1238
<b>Injection Molded Samples</b>			
Tensile Strength (2 in/min)			D638
@ Yield	5,113 psi	35.3 MPa	
@ Break	3,190 psi	21.1 MPa	
Elongation (2 in/min)			D638
@ Yield	9.5 %	9.5 %	
@ Break	< 50 %	< 50 %	
Flexural Modulus			D790A
1% Secant	216,000 psi	1,490 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.45 ft-lbf/in	2.38 kJ/m <sup>2</sup>	
Hardness			D785
Rockwell R	103	103	
Deflection Temperature			D648
@ 66 psi (455 kPa)	211 F	100 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
Diffuse Transmittance	75%	75%	
Gloss at 60 ° angle	95	95	D2457

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