

H35G-02 Polypropylene Homopolymer

H35G-02 is a general purpose homopolymer designed for injection molding applications. Typical applications include consumer products, housewares, and rigid packaging. 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 Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.9000 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	35.0 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	5,100 psi	35 MPa	
Elongation (2 in/min)			D638
@ Yield	10 %	10 %	
Flexural Modulus			D790A
1% Secant	210,000 psi	1450 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.5 ft-lbf/in	2.4 kJ/m ²	
Hardness			D785
Rockwell R	103	103	
Deflection Temperature			D648
@ 66 psi (455 kPa)	210 F	99 C	
Gloss at 60 ° angle	93	93	D2457

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