

H07G-00 Polypropylene Homopolymer

Grade H07G-00 is a barefoot polypropylene homopolymer designed for cast film applications and flexible packaging. This grade has good optical properties and consistent processing. This grade meets the requirements of the U.S. Food and Drug Administration specified in 21 CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.909 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	7.3 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	5,220 psi	36.0 MPa	
@ Break	2,725 psi	18.8 MPa	
Elongation (2 in/min)			D638
@ Yield	—	11%	
@ Break	—	160%	
Flexural Modulus			D790A
1% Secant	221,700 psi	1,530 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.53 ft-lbf/in	2.81 kJ/m ²	
Hardness			D785
Rockwell R	—	102	
Deflection Temperature			D648
@ 66 psi (455 kPa)	199 F	93 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	—	75%	
Gloss at 60° angle	—	93	D2457

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