

H02G-02 Polypropylene Homopolymer

H02G-02 is a homopolymer polypropylene designed for film and extrusion applications. Typical applications include BOPP film, thermoformed sheet, tape, twine and woven bags. 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	—	0.908 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	2.0 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in./min)			D638
@ Yield	5,000 psi	35.4 MPa	
@ Break	2,900 psi	20.0 MPa	
Elongation (2 in./min)			D638
@ Yield	11.5 %	11.5 %	
@ Break	120 %	120 %	
Flexural Modulus			D790A
1% Secant	211,000 psi	1,460 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.90 ft-lbf/in	4.9 kJ/m ²	
Hardness			D785
Rockwell R	99	99	
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	207 F	97 C	
Vicat Softening Point	309 F	154 C	D1525

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