

# H03G-02 Polypropylene Homopolymer

Grade H03G-02 is a polypropylene homopolymer designed for applications that require low water carryover. Typical applications are slit tape, film, and fiber. Benefits include low die build-up and low water carryover. This grade is not cleared for food contact.

## Typical Properties<sup>1</sup>

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.9055 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	3.5 g/10 min	D1238
<b>Injection Molded Samples</b>			
<b>Tensile Strength (2 in/min)</b>			D638
@ Yield	5,273 psi	36.1 MPa	
@ Break	2,733 psi	18.7 MPa	
<b>Elongation (2 in/min)</b>			D638
@ Yield	9.6 %	9.6 %	
@ Break	153 %	153 %	
<b>Flexural Modulus</b>			D790A
1% Secant	235,700 psi	1,626 MPa	
<b>Notched Izod Impact Strength</b>			D256
@ 23 C	0.70 ft-lbf/in	3.7 kJ/m <sup>2</sup>	
<b>Hardness</b>			D785
Rockwell R	102.7	102.7	
<b>Deflection Temperature</b>			D648
@ 66 psi (455 kPa)	215 F	101.7 C	
<b>Haze @ 23 C, 50-mil (1.3mm) plaque</b>			D1003
% Diffuse Transmittance	79.7 %	79.7 %	
<b>Gloss at 60 ° angle</b>	93.7	93.7	D2457

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