

# H03G-01 Polypropylene Homopolymer

Grade H03G-01 is a homopolymer designed for tenter frame BOPP processing and meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

## Applications

- Food packaging
- Overwrap
- Metallized film

## Benefits

- Barefoot
- Good optical properties
- High strength properties

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

Resin	Value	Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	3.4	D1238
<b>Injection Molded Sample</b>		
Tensile at 23°C and 50 mm/min		D638 <sup>2</sup>
Strength at Yield, psi (MPa)	4,580 (32)	
Elongation at Yield, %	10	
Flexural Modulus, at 23°C, kpsi (MPa)	188 (1,300)	D790A <sup>2</sup>
Heat Deflection Temperature at 66 psi, (455 kPa), °F (°C)	189 (87)	D648
Density, g/cm <sup>3</sup>	0.904 - 0.908	D1505
Mold shrinkage, in/in	0.010 - 0.025	D955
Rockwell Hardness, R Scale	79- 108	D785
Notched Izod Impact at 23°C, ft lb/in	0.4 - 0.7	D256 <sup>2</sup>

<sup>1</sup>Typical properties will vary within specification limits.

<sup>2</sup> ASTM D638 Type 1 specimen, molded and tested in accordance with D410