

# H19G-01

POLYPROPYLENE HOMOPOLYMER

## TECHNICAL DATASHEET

### Product Description

H19G-01 is a polypropylene homopolymer designed for the extrusion of continuous filament yarn, continuous bulked filament yarn and staple fiber. Its benefits include consistent processing, color stability, and excellent spinning characteristics. H19G-01 meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.<sup>1</sup>

### Typical Properties<sup>2</sup>

Property	English Units	SI Units	ASTM Method
<b>Resin Properties</b>			
Density		0.910 g/cc	D792
Melt Flow Rate (230°C/2.16 kg)		19 g/10 min	D1238
<b>Injection Molded Specimen Test</b>			
Tensile Strength (2 in/min) @ Yield	5,400 psi	37 MPa	D638
Elongation (2 in/min) @ Yield	8.9 %	8.9 %	D638
Flexural Modulus, 1% Secant	258,000 psi	1,780 MPa	D790A
Notched Izod Impact Strength @ 23°C	0.5 ft-lb/in	2.8 kJ/m <sup>2</sup>	D256
Hardness, Rockwell R	105	105	D785
HDT @ 66 psi (455 kPa)	226 °F	109 °C	D648
Gloss Units, 60° Angle	95	95	D2457

<sup>1</sup>Consult the Regulatory Position Statement for specific use conditions and limitations.

<sup>2</sup>Typical property values will vary and are not to be used as specification limits.