

# H01H-00 Polypropylene Homopolymer

H01H-00 is a low flow rate homopolymer polypropylene containing a Long Term Heat Aging package. Typical applications include injection molded parts and sheet and profile extrusion; this product is not recommended for taste or odor sensitive applications. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

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

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.907 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	1.7 g/10 min	D1238
<b>Injection Molded Samples</b>			
Tensile Strength (2 in/min)			D638
@ Yield	4,900 psi	33.8 MPa	
@ Break	2,900 psi	20.0 MPa	
Elongation (2 in/min)			D638
@ Yield	12.5 %	12.5 %	
@ Break	120 %	120 %	
Flexural Modulus			D790A
1% Secant	199,500 psi	1,375 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.90 ft-lbf/in	4.7 kJ/m <sup>2</sup>	
Hardness			D785
Rockwell R	95	95	
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	199.0 F	92.8 C	
Vicat Softening Point	305 F	152 C	D1525

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