

## Ineos H01G-00 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Grade H01G-00 is a polypropylene homopolymer for fiber, tape, and consumer applications. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Suggested fabrication methods: Injection molding; Extrusion; Thermoforming. Features: High tenacity. Typical applications: Strapping, Netting. Complies with FDA specification, Title 21, CFR 177.1520. Typical property data below from injection molded samples.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-H01G-00-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_ineos-H01G-00-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	0.886 - 0.926 g/cc	0.0320 - 0.0335 lb/in <sup>3</sup>	ASTM D1505
Water Absorption	<= 0.010 %	<= 0.010 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.010 - 0.025 cm/cm	0.010 - 0.025 in/in	ASTM D955
Melt Flow	1.2 g/10 min @Load 2.16 kg, Temperature 230 Â°C	1.2 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79 - 108	79 - 108	Normal range for injection molding resins; ASTM D785
Tensile Strength, Yield	38.0 MPa	5510 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.59 GPa	231 ksi	ASTM D790A
Izod Impact, Notched	0.200 - 0.300 J/cm @Diameter 3.17 mm	0.375 - 0.562 ft-lb/in @Diameter 0.125 in	bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 Â°C	210 Â°F	ASTM D648

Descriptive Properties	Value	Comments
Process	Extrusion	
	Injection Molding	

Descriptive Properties

Value **o**forming

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China