

# INEOS PP H19G-01

Polypropylene Homopolymer  
INEOS Olefins & Polymers USA

Message:

H19G-01 is a homopolymer polypropylene 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.

General Information			
Features	Food Contact Acceptable		
	Good Color Stability		
	Homopolymer		
Uses	Filaments		
	Staple Fibers		
	Yarn		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Yield	37.2	MPa	
Break	24.1	MPa	
Tensile Elongation <sup>2</sup>			ASTM D638
Yield	8.9	%	
Break	23	%	
Flexural Modulus - 1% Secant	1780	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	2.80	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	108	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	95		ASTM D2457
Haze <sup>3</sup> (1270 μm)	79	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

