

INEOS PP H38G-02

Polypropylene Homopolymer
INEOS Olefins & Polymers USA

Message:

H38G-02 is a homopolymer polypropylene designed for general purpose injection molding, compounding, and high speed spinning applications. In addition to general purpose injection molding applications, it is used for the production of spun bonded nonwovens and partially oriented yarn (POY). H38G-02 exhibits excellent gas fade resistance and its narrow molecular weight distribution results in excellent processability and high line speeds. This grade meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	General Purpose		
	Good Processability		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Compounding		
	General Purpose		
	Spunbond Nonwovens		
	Yarn		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.906	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	38	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	33.6	MPa	
Break	17.8	MPa	
Tensile Elongation ²			ASTM D638
Yield	11	%	

Break	530	%	
Flexural Modulus - 1% Secant	1300	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	24	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	2.37	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.6	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	93		ASTM D2457
Haze ³ (1270 μm)	69	%	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

