



INEOS PP H38G-02

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

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

Material Status	<ul style="list-style-type: none"> Commercial: Active 		
Availability	<ul style="list-style-type: none"> North America 		
Features	<ul style="list-style-type: none"> Food Contact Acceptable Gas-fading Resistant 	<ul style="list-style-type: none"> General Purpose Good Processability 	<ul style="list-style-type: none"> Homopolymer Narrow Molecular Weight Distribution
Uses	<ul style="list-style-type: none"> Compounding General Purpose 	<ul style="list-style-type: none"> Spunbond Nonwovens Yarn 	
Agency Ratings	<ul style="list-style-type: none"> EC 1907/2006 (REACH) FDA 21 CFR 177.1520 		
RoHS Compliance	<ul style="list-style-type: none"> Contact Manufacturer 		
Forms	<ul style="list-style-type: none"> Pellets 		
Processing Method	<ul style="list-style-type: none"> Compounding 	<ul style="list-style-type: none"> Injection Molding 	

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.909		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	38	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4870	psi	ASTM D638
Tensile Strength ² (Break)	2580	psi	ASTM D638
Tensile Elongation ² (Yield)	11	%	ASTM D638
Tensile Elongation ² (Break)	530	%	ASTM D638
Flexural Modulus - 1% Secant	189000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.45	ft·lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	1.13	ft·lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	195	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	93		ASTM D2457
Haze ³ (50.0 mil)	69.2	%	ASTM D1003

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 23°C

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