



INEOS PP H01H-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

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.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer
Features	• Food Contact Acceptable • Homopolymer • Heat Stabilized • Low Flow
Uses	• Profiles • Sheet
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Injection Molding • Profile Extrusion • Sheet Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.909		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4900	psi	ASTM D638
Tensile Strength ² (Break)	2900	psi	ASTM D638
Tensile Elongation ² (Yield)	13	%	ASTM D638
Tensile Elongation ² (Break)	120	%	ASTM D638
Flexural Modulus - 1% Secant	200000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.90	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	2.24	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	199	°F	ASTM D648
Vicat Softening Temperature	305	°F	ASTM D1525

Notes

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

² 2.0 in/min