



INEOS PP H20H-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H20H-00 is a homopolymer polypropylene designed to provide easy moldability for applications requiring resistance to long-term heat aging. This product is not recommended for taste or odor sensitive applications. Typical applications include appliances, automotive and compounding. This material has been recognized by UL for sustained use at 130°C and 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
Features	• Food Contact Acceptable • Heat Aging Resistant • Good Moldability • Homopolymer
Uses	• Appliances • Automotive Applications • Compounding
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.906		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	21	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	4790	psi	ASTM D638
Tensile Strength ² (Break, Injection Molded)	2210	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	12	%	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	170	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	198000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	0.68	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F, Injection Molded)	1.68	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	98		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Injection Molded	219	°F	ASTM D648
RTI Elec	266	°F	UL 746
RTI Imp	266	°F	UL 746
RTI Str	266	°F	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	93		ASTM D2457
Haze ⁴ (50.0 mil)	72.0	%	ASTM D1003

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

INEOS PP H20H-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Notes

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

² 2.0 in/min

³ 0.050 in/min

⁴ 23°C