



INEOS PP H08U-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

H08U-00 is a polypropylene homopolymer designed for fiber spinning applications that need UV protection. This resin 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	• UV Stabilizer
Features	• Food Contact Acceptable • Homopolymer • UV Resistant
Uses	• Textile Applications
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Fiber (Spinning) Extrusion

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)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	5260	psi	ASTM D638
Tensile Strength ² (Break, Injection Molded)	2480	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	9.5	%	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	260	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	233000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	0.50	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F, Injection Molded)	1.33	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	103		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Injection Molded	216	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°, Injection Molded)	93		ASTM D2457
Haze ³ (50.0 mil, Injection Molded)	78.8	%	ASTM D1003

Notes

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

² 2.0 in/min

³ 23°C