



# 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 <sup>1</sup>

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 <sup>2</sup> (Yield, Injection Molded)	5260	psi	ASTM D638
Tensile Strength <sup>2</sup> (Break, Injection Molded)	2480	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	9.5	%	ASTM D638
Tensile Elongation <sup>2</sup> (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 <sup>2</sup>	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			ASTM D648
66 psi, Unannealed, Injection Molded	216	°F	
Optical	Nominal Value	Unit	Test Method
Gloss (60°, Injection Molded)	93		ASTM D2457
Haze <sup>3</sup> (50.0 mil, Injection Molded)	78.8	%	ASTM D1003

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min

<sup>3</sup> 23°C