

H08U-00 Polypropylene Homopolymer

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.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.9039 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	8.0 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	5,290 psi	36.3 MPa	
@ Break	2,490 psi	17.1 MPa	
Elongation (2 in/min)			D638
@ Yield	9.5 %	9.5 %	
@ Break	259 %	259 %	
Flexural Modulus			D790A
1% Secant	233,000 psi	1,608 MPa	
Notched Izod Impact Strength			D256
@ 23°C	0.5 ft-lbf/in	2.8 kJ/m ²	
Hardness			D2240
Rockwell R	103.4	103.4	
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	216 °F	102.4 °C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	78.8 %	78.8 %	
Gloss at 60 ° angle	92.8	92.8	D2457

¹ Typical properties will vary and are not to be used for specifications.