

H12E-00 Polypropylene Homopolymer

H12E-00 is an antistated homopolymer polypropylene designed for use in general purpose injection molding and extrusion applications. This material 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	—	0.909 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	12.5 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	5,300 psi	36.5 MPa	
@ Break	3,300 psi	22.7 MPa	
Elongation (2 in/min)			D638
@ Yield	9.0 %	9.0 %	
@ Break	<100 %	<100 %	
Flexural Modulus			D790A
1% Secant	248,000 psi	1,700 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.50 ft-lbf/in	3.0 kJ/m ²	
Hardness			D785
Rockwell R	101	101	
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	212 F	100 C	
Vicat Softening Point	309 F	154 C	D1525

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