H44N-00 Polypropylene Homopolymer

H44N-00 is a high flow rate, nucleated polypropylene homopolymer designed for compounding and injection molding applications. The grade benefits from a high stiffness and isotropic shrinkage to help reduce warping in flat, thin parts.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.911 g/cc	**D792**
Melt Flow Rate 230°C/2.16 kg	—	47 g/10 min	**D1238**
Injection Molded Samples			
Tensile Strength (2 in/min)			**D638**
@ Yield	5,400 psi	37.3 MPa	
@ Break	3,800 psi	26.2 MPa	
Elongation (2 in/min)			**D638**
@ Yield	—	9 %	
@ Break	—	25 %	
Flexural Modulus			**D790A**
1% Secant	245,000 psi	1,690 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	0.4 ft-lbf/in	2.4 kJ/m^2	
Hardness			**D785**
Rockwell R	—	107	
Deflection Temperature			**D648**
@ 66 psi (455 kPa)	236 F	113 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			**D1003**
% Diffuse Transmittance	—	76 %	
Gloss at 60 ° angle	—	93	**D2457**

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

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