

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 Properties¹

	Values		ASTM Method
	English Units	SI Units	
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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For additional information, samples, pricing and availability, please contact:

INEOS Olefins & Polymers, USA

Marina View Building
2600 South Shore Boulevard
Suite 500
League City, Texas 77573
Phone: +1 281 535 6600
Fax: +1 281 535 6764
Customer Service: +1 800 527 5419
Tech Service: +1 800 338 0489
www.ineos-op.com

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2600 South Shore Boulevard, Ste. 500
League City, TX 77573
Tel: 281-535-6600
www.ineos-op.com

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