



INEOS PP H44N-00

INEOS Olefins & Polymers USA - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

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.

General

Material Status	• Commercial: Active	
Availability	• North America	
Additive	• Nucleating Agent	
Features	• High Flow • High Stiffness	• Homopolymer • Nucleated
Uses	• Compounding	
Agency Ratings	• EC 1907/2006 (REACH)	
RoHS Compliance	• Contact Manufacturer	
Forms	• Pellets	
Processing Method	• Compounding	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.913		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	47	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5400	psi	ASTM D638
Tensile Strength ² (Break)	3800	psi	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Tensile Elongation ² (Break)	25	%	ASTM D638
Flexural Modulus - 1% Secant	245000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.40	ft-lb/in	ASTM D256
Notched Izod Impact (Area) (73°F)	1.14	ft-lb/in ²	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	236	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	93		ASTM D2457
Haze ³ (50.0 mil)	76.0	%	ASTM D1003

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 23°C