

H53N-00 Polypropylene Homopolymer

Grade H53N-00 is a high flow rate nucleated and lightly lubricated homopolymer polypropylene designed for high-speed injection molding of thin-walled parts requiring good stiffness and fast cycle times. This product meets the requirements of the U.S. Food & Drug Administration as specified in 21 CFR177.1520

Applications

- Media packaging
- Consumer products
- Housewares
- Thin-wall rigid packaging
- Food service products

Benefits

- High flow rate
- Fast cycle times
- Good stiffness
- Very good molding performance in thin-walled parts

Typical Properties¹

Resin	Value	Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	53	D1238
Injection Molded Sample		
Tensile at 23C		D638
Strength at yield, psi	5990	
Elongation at yield, %	8	
Elongation at break, %	33	
Flexural modulus ² , kpsi	245	D790A
Heat Deflection Temperature at 66 psi, (455 kPa), °F (°C)	239 (115)	D648
Izod impact, 1/8" notched, 23°C, ft-lb/in	0.45	D256
Rockwell Hardness, R-scale	107	D785

1- Typical properties will vary within specification limits.

2- 1% Secant, 0.05"/min test speed.

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or call + 1-800-527-5419.

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The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Material Safety Data Sheet (MSDS) contains the available product health and safety information for this material and can be found at www.ineos-op.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

The Material Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by INEOS O&P is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

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