N01N-00 Polypropylene Impact Copolymer

N01N-00 is a high stiffness, impact copolymer specially designed for freezer-to-microwave performance. This extrusion grade resin exhibits an excellent balance of impact and stiffness properties, and combines high heat resistance with good gloss and thermoformability. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.9060 g/cc	**D792**
Melt Flow Rate, 230°C/2.16 kg	—	1.9 g/10 min	**D1238**
Injection Molded Sample			
Tensile Strength (2 in/min)			**D638**
@ Yield	4,363 psi	30.1 MPa	
@ Break	2,210 psi	15.3 MPa	
Elongation (2 in/min)			**D638**
@ Yield	—	6.5 %	
@ Break	—	145 %	
Flexural Modulus			**D790A**
1% Secant	235,000 psi	1,623 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	—	No Break	
@ -20 C	1.0 ft-lb$_f$/in	5.3 kJ/m^2	
Hardness			
Rockwell R	—	95	**D785**
Vicat Softening Point	309 F	154 C	**D1525**
Deflection Temperature			**D648**
@ 66 psi (455 kPa)	231 F	110 C	
@ 264 psi (1,820 kPa)	141 F	60 C	
Gloss at 60° angle (GU)	—	75	**D2457**
Instrumented Impact			**D3763**
@ 23 C	—	Ductile	
@ -20 C	—	Ductile	

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

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

INEOS Olefins & Polymers USA

Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

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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 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:

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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