



N12Z-00 Polypropylene Impact Copolymer

N12Z-00 is a medium melt flow rate, nucleated and antistatic polypropylene impact copolymer designed for injection molding applications. The grade benefits from a high stiffness, high impact resistance at room and low temperatures, excellent mold release, and good static dissipation. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.901 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	12 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	3,260 psi	22.5 MPa	
@ Break	2,610 psi	18.0 MPa	
Elongation (2 in/min)			D638
@ Yield	—	6.6 %	
@ Break	—	375%	
Flexural Modulus			D790A
1% Secant	154,000 psi	1,063 MPa	
Notched Izod Impact Strength			D256
@ 23 C	—	No Break	
@ -20 C	1.7 ft-lb _f /in	8.9 kJ/m ²	
Hardness			
Rockwell R	—	66	D785
Vicat Softening Point	291 F	144 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	201 F	94 C	
@ 264 psi (1,820 kPa)	127 F	53 C	
Gloss at 60° angle	—	68	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

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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.

Health and Safety Information

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:

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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