L12N-00 Polypropylene Impact Copolymer

L12N-00 is a medium melt flow rate, nucleated impact copolymer polypropylene for injection molding and compounding applications. It is especially formulated for high impact resistance, high flexural modulus, and excellent gloss. Applications include automotive, consumer products, housewares, and compounding. 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	–	0.903 g/cc	**D792**
Melt Flow Rate, 230°C/2.16 kg	–	12.0 g/10 min	**D1238**
Injection Molded Sample			
Tensile Strength (2 in/min)			**D638**
@ Yield	3,740 psi	25.8 MPa	
@ Break	2,620 psi	18.1 MPa	
Elongation (2 in/min)			**D638**
@ Yield	6 %	6 %	
@ Break	117 %	117 %	
Flexural Modulus			**D790A**
1% Secant	183,000 psi	1,260 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	3.6 ft-lbf/in	18.9 kJ/m^2	
@ - 20 C	1.2 ft-lbf/in	6.0 kJ/m^2	
Hardness			
Rockwell R	88	88	**D785**
Vicat Temperature	299 F	148 C	**D1525**
Deflection Temperature			**D648**
@ 66 psi (455 kPa)	215 F	102 C	
@ 264 psi (1,820 kPa)	128 F	53 C	
Gloss at 60° angle	74	74	**D2457**
Instrumented Impact			**D3763**
@ 23 C	–	Ductile	
@-20 C	–	Ductile	

[1] Typical properties; not to be used for specifications.

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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.

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