L12Z-00 Polypropylene Impact Copolymer

L12Z-00 is a nucleated, antistated impact copolymer with an excellent balance of high stiffness, good impact and fast injection cycles intended for use in the production of consumer products, appliances, office furniture, toys and juvenile products. This material has been recognized by UL for sustained use at 65°C and 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 g/10 min	**D1238**
Injection Molded Sample			
Tensile Strength (2 in/min)			**D638**
@ Yield	4,077 psi	28.1 MPa	
@ Break	2,717 psi	18.7 MPa	
Elongation (2 in/min)			**D638**
@ Yield	—	5.4 %	
@ Break	—	110%	
Flexural Modulus			**D790A**
1% Secant	213,000 psi	1,470 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	2.63 ft-lbf/in	13.8 kJ/m²	
@ - 20 C	0.88 ft-lbf/in	4.62 kJ/m²	
Hardness			
Rockwell R	91	91	**D785**
Vicat Temperature	303 F	151 C	**D1525**
Deflection Temperature			**D648**
@ 66 psi (455 kPa)	231 F	110 C	
@ 264 psi (1,820 kPa)	134 F	57 C	
Gloss at 60° angle		75 %	**D2457**
Instrumented Impact			**D3763**
@ 23 C	Ductile	Ductile	
@-20 C	Mixed	Mixed	
UL Recognition (1.5 mm thickness)			**UL94**
Relative Temperature Index	149 F	65 C	
Flammability Classification	—	HB	

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

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INEOS Olefins & Polymers USA

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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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