

L12Z-01 Polypropylene Impact Copolymer

L12Z-01 is a nucleated, antistated polypropylene impact copolymer with an excellent balance of stiffness and impact and fast injection cycles. It is specially formulated to help provide superior gloss in applications such as consumer products, housewares, and toys. 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 Properties¹

	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	3,850 psi	26.5 MPa	
@ Break	2,490 psi	17.2 MPa	
Elongation (2 in/min)			D638
@ Yield	—	7%	
@ Break	—	158%	
Flexural Modulus (0.05 in/min)			D790
1% Secant	188,000 psi	1,300 MPa	
Notched Izod Impact Strength			D256
@ 23 C	3.4 ft-lbf/in	18.0 kJ/m ²	
@ - 20 C	0.9 ft-lbf/in	5.0 kJ/m ²	
Hardness			
Rockwell R	—	84	D785
Vicat Temperature	300 F	149 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	220 F	105 C	
@ 264 psi (1,820 kPa)	129 F	54 C	
Gloss at 60° angle		81 %	D2457
Instrumented Impact			D3763
@ 23C	—	Ductile	
@ -20C	—	Mixed	
UL Recognition (1.5 mm thickness)			UL94
Relative Temperature Index	149 F	65 C	
Flammability Classification	—	HB	

¹ Typical properties; 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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