L34N-00 Polypropylene Impact Copolymer

Grade L34N-00 is a low gloss and high impact nucleated polypropylene copolymer. It is designed for high speed injection molding applications and/or for compounding where high melt-state fluidity is required. This material meets the requirements of the US Food and Drug Administration as specified in 21 CFR 177.1520. Please see the L34N-00 Regulatory Position Statement for additional details.

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	—	34.0 g/10 min	**D1238**
Injection Molded Sample			
Tensile Strength (2 in/min)			**D638**
@ Yield	3,900 psi	26.9 MPa	
@ Break	2,785 psi	19.2 MPa	
Elongation (2 in/min)			**D638**
@ Yield	5.23%	5.23%	
@ Break	132%	132%	
Flexural Modulus			**D790A**
1% Secant	173,400 psi	1,195 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	2.8 ft-lbf/in	14.7 kJ/m²	
@ - 20 C	1.2 ft-lbf/in	6.2 kJ/m²	
Hardness			
Rockwell R	89	89	**D785**
Vicat Softening Point	304 F	151 C	**D1525**
Heat Deflection Temperature			**D648**
@ 66 psi (455 kPa)	223 F	106 C	
@ 264 psi (1,820 kPa)	135 F	57 C	
Gloss Units, 60° angle		69.2	**D2457**
Instrumented Impact			**D3763**
@ 23°C	Ductile	Ductile	
@-20°C	Ductile	Ductile	
Brittleness Temperature	-22 to -4 F	-30 to -20 C	**D746**
Shrinkage at 23°C, in/in	MD: 1.53%	TD: 1.63%	**D955**
UL Recognition			**UL94**
Flammability Classification			
1.50 mm, no color, 3.00 mm, NC	HB	HB	

[1] **Typical properties will vary and are 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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