Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

H12Z-03 Polypropylene Homopolymer

H12Z-03 is a nucleated homopolymer polypropylene that also contains an antistat and a lubricant to provide optimal balance between processing and surface appearance. It is designed for general purpose injection molding. Typical applications include consumer products, caps and closures, and rigid packaging. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.913 g/cc	**D792**
Melt Flow Rate 230°C/2.16 kg	—	12 g/10 min	**D1238**
Injection Molded Samples			
Tensile Strength (2 in/min)			**D638**
@ Yield	5,500 psi	37.9 MPa	
@ Break	2,600 psi	17.9 MPa	
Elongation (2 in/min)			**D638**
@ Yield	8.2 %	8.2 %	
@ Break	71.2 %	71.2 %	
Flexural Modulus			**D790A**
1% Secant	275,000 psi	1,896 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	0.72 ft-lbf/in	3.79 kJ/m²	
Hardness			**D785**
Rockwell R	104	104	
Deflection Temperature			**D648**
@ 66 psi (455 kPa)	244.4 F	118 C	
Gloss at 60 ° angle (Gloss Units)	91	91	**D2457**

[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.

For additional information, samples, pricing and availability, please contact:

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