

T50-2000 Polyethylene Copolymer

T50-2000 is a high density, narrow molecular weight polyethylene copolymer intended for applications requiring a glossy surface finish and reasonably good impact strength and rigidity. It is characterized by a high melt index which allows easy processing of medium to thin-walled articles. This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Density	—	0.953 g/cc	D 4883
Melt Index ²	—	20.0 g/10 min	D 1238
Tensile Strength			
@ Yield (2 in/min)	3900 psi	26.9 MPa	D 638
Flexural Modulus ³	185,000 psi	1276 MPa	D 790
Notched Izod Impact Strength	0.60 ft-lbf/in	32 J/m	D 256
Hardness (Shore D)	65	65	D 2240
Vicat Softening Point	253 °F	123 °C	D 1525
Brittleness Temperature	<-103 °F	<-75 °C	D 746
Deflection Temperature @ 66 psi	169 °F	76 °C	D 648

¹ Typical properties will vary within specification limits.

² 190° C/2160 g

³ Tangent-Method

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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 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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