

T60-800 Polyethylene Homopolymer

T60-800 is a high density polyethylene homopolymer. This narrow molecular weight distribution resin is a product of Ineos USA, LLC's innovative technology. Parts fabricated from this material exhibit a glossy surface finish, and have good impact strength and rigidity. This material meets the Food and Drug Administration requirements of 21CFR 177.1520. This resin is Kosher certified.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Density	—	0.961 g/cc	D 4883
Melt Index ²	—	8.0 g/10 min	D 1238E
Tensile Strength			
@ Yield (2 in/min)	4,500 psi	31.0 MPa	D 638
Elongation			
@ Break (2 in/min)	>600%	>600%	D 638
Flexural Modulus ³	225,000 psi	1,552 MPa	D 790
Notched Izod Impact Strength	1.0 ft-lbf/in	53 J/m	D 256
Hardness (Shore D)	65	65	D 2240
Vicat Softening Point	262 °F	128 °C	D 1525
Brittleness Temperature	<-103 °F	<-75 °C	D 746
Deflection Temperature @ 66 psi	188 °F	87 °C	D 648
Environmental Stress Crack Resistance ⁴	3 hrs.	3 hrs.	D 1693B

¹ Typical properties will vary within specification limits.

² 190° C/2160 g

³ Tangent-Method

⁴ Condition B, 10% F50

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2600 South Shore Boulevard
League City, TX 77573
Tel: 281-535-6600
www.ineos.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, send an e-mail to: OPMSDS@innovene.com.

Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained by calling + 1-800-527-5419 (Toll Free - North America), or by sending an e-mail to: OPMSDS@innovene.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 Innovene 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
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.innovene.com

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