

G60-25-144 Polyethylene Homopolymer

G60-25-144 is a high density polyethylene homopolymer typically used in the production of sheet extrusion and blow molded containers. This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Density	–	0.962 g/cc	D 4883
Melt Index ²	–	0.25 g/10 min	D 1238
Tensile Strength			
@ Yield (2 in/min)	4500 psi	31.0 MPa	D 638
Elongation			
@ Break (2 in/min)	>800%	>800%	D 638
Tensile Modulus of Elasticity	195,000 psi	1344 MPa	D 638
Flexural Modulus ³	225,000 psi	1550 MPa	D 790
Stiffness In Flexure	125,000 psi	861 MPa	D 747
Notched Izod Impact Strength	4.0 ft-lbf/in	0.21 kJ/m	D 256
Tensile Impact Strength ⁴	123 ft-lbf/in ²	258 kJ/m ²	D 1822
Hardness (Shore D)	66	66	D 2240
Vicat Softening Point	268 °F	131 °C	D 1525
Brittleness Temperature	<-103 °F	<-75 °C	D 746
Deflection Temperature @66 psi	176 °F	80 °C	D 648

¹ Typical properties will vary within specification limits.

² 190° C/2160 g

³ Tangent-Method

⁴ Type L

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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.

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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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