



Premier HD10H49

High Density Polyethylene

HLMI: 10

DENSITY: 0.949

Premier HD10H49 is a high molecular weight, high density polyethylene copolymer, suitable for blow molding applications requiring high ESCR, impact strength and rigidity. It is designed for fuel tanks, blow molded agricultural chemical tanks, 55 gallon shipping containers and extrusions for conduit, sheet and thermoforming applications. It meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

<u>Resin Property</u>	<u>Typical Value</u>	<u>Units</u>	<u>Test Method</u>
Melt Index, 2.16 Kg at 190 °C	< 0.1	g/10 min	ASTM D-1238
21.6 Kg at 190 °C (HL)	10	g/10 min	ASTM D-1238
Density	0.949	g/cm ³	ASTM D-4883
Tensile Strength at Yield	3700	Psi	ASTM D-638
Elongation at Break	> 600	%	ASTM D-638
Flexural Modulus	180,000	Psi	ASTM D-790
ESCR, Condition A, 100% Igepal	> 600	Hrs	ASTM D-1693
Condition B, 10% Igepal	> 600	Hrs	ASTM D-1693

Premier Polymers cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties but they should not be used to establish specification limits or used alone as the basis of design.

Premier Polymers, LLC. 16800 Imperial Valley Drive, Suite 400 Houston, TX 77060
Phone: 281-902-0900 Fax: 281-260-8096