



POLYETHYLENE RESIN PRODUCT DATA AND TECHNICAL INFORMATION

Name: Houston PolyTank Polyethylene Resin
 Resin Type: High Density Polyethylene Resin, HDPE HD 9830.02
 Availability: Latin America and North America
 Additive: Antistatic: No Thermal Stabilizer: Yes UV Stabilizer: No
 Applications: Blow Molding Personal Care Drainage Pipes Sheet Extrusion
 Form(s): Pellets
 Revision Date: 5/2010

Resin Properties	Typical Value Unit	Test Based On
Density	0.956 g/cm ³	ASTM D1505
Melt Index	0.30 g/10 min	ASTM D1238

Thermal	Typical Value Unit	Test Based On
Brittleness Temperature	<-76 °F	ASTM D746
Vicat Softening Temperature	261 °F	ASTM D1525

Molded Properties	Typical Value Unit	Test Based On
Tensile Strength at Yield	4030 psi	ASTM D638
Tensile Strength at Break	1970 psi	ASTM D638
Flexural Modulus	180000 psi	ASTM D790
Environmental Stress-Crack Resistance (100% Igepal)	366 hr	ASTM D1693B

Impact	Typical Value Unit	Test Based On
Tensile Impact Strength	(73°F) 126 ft-lb/in ²	ASTM D1822

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Processing Statement

1. Values are typical and should not be interpreted as specifications. Values may change with future development.
2. All molded properties were measured on compression molded plaques.
3. Bulk Density: 585 Kg/m³ (36.4 lbs/ft³)
4. Flexural modulus tested using Procedure A (1"x3"x0.125"), tangent calculation.
5. ESCR tested using Condition B, 100% Igepal.