UNIVAL™ DMDC-6143 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

Outstanding environmental stress crack resistance
Excellent parison melt strength / low sag
Good extrudability / processability
Good rigidity
Complies with U.S. FDA 21 CFR 177.1520 (c) 3.2a
Complies with Canadian HPFB No Objection (With Limitations)
Complies with EU, No 10/2011
Consult the regulations for complete details.
UNIVAL™ DMDC-6143 NT 7 High Density Polyethylene (HDPE) Resin is a polymer with broad molecular weight distribution and high molecular weight polymer. This product provides good stability, which contributes to uniform wall thickness in large parts, making it ideal for blow molding of containers, such as the 5-30 gallon (19-114 liter) tight-head pails, and other large parts. The broad molecular weight distribution of this resin contributes to the outstanding environmental stress crack resistance (ESCR), good rigidity level and extrudability it offers.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a HPFB (Canada) No Objection 2 Europe No 10/2011		
Forms	Particle		
Processing Method	Blow molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.952	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	14	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	1100	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	23.4	MPa	ASTM D638
Fracture	37.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	10	%	ASTM D638
Fracture	900	%	ASTM D638
Flexural Modulus - 2% Secant	1020	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Tensile Impact Strength [1]	357	kJ/m²	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load (0.45 MPa, Unannealed)	67.0	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	129	°C	ASTM D1525
Melting Temperature (DSC)	131	°C	Internal method
Peak Crystallization Temperature (DSC)	125	°C	Internal method

Additional Information
根据 ASTM D 4976 进行基板模制和测试.

NOTE	
1.	Type s

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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Phone: +86 13424755533

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