

- Excellent stress crack resistance and rigidity
 - High impact strength
 - Moderate swell
 - High melt strength
 - Complies with U.S. FDA 21 CFR 177.1520 (c) 3.2a
- Consult the regulations for complete details.

UNIVAL™ DMDA-6200 NT 7 High Density Polyethylene (HDPE) Resin is a multipurpose polymer designed for high speed production of blow molded containers used to package household industrial chemicals (e.g., detergents, bleach, fabric softeners), toiletries and cosmetics (e.g., shampoos, creams, lotions, etc.), health and medicinal aids, and food products. In addition, it can be blow molded into other thin walled parts and houseware items, and also can be extruded into profiles.

Physical Properties	Test Method	Values ⁽¹⁾ English (SI)
Resin Properties		
Flow Rate (I ₂₁) @ 190°C/21.60 kg, g/10 min	ASTM D 1238	33
Melt Index (I ₂) @ 190°C/2.16 kg, g/10 min	ASTM D 1238	0.38
Density, g/ cm ³	ASTM D 792	0.953
DSC Melting Point, °F (°C)	Dow Method	268 (131)
DSC Crystallization Point, °F (°C)	Dow Method	244 (118)
Vicat Softening Point, °F (°C)	ASTM D 1525	264 (129)
Molded Plaque Properties⁽²⁾		
Hardness, Shore D	ASTM D 2240	61
Flexural Modulus, 2% Secant, psi (MPa)	ASTM D 790 B	145,000 (1000)
Tensile Strength at Break, psi (MPa)	ASTM D 638	4500 (31)
Tensile Strength at Yield, psi (MPa)	ASTM D 638	3900 (27)
Tensile Elongation at Break, %	ASTM D 638	1000
Tensile Elongation at Yield, %	ASTM D 638	7
Tensile Impact Strength, ft-lb/in. ² (kJ/m ²)	ASTM D 1822, Type S	80 (168)
Environmental Stress Crack Resistance, 122°F (50°C), F ₅₀ , 100% Igepal®, hrs.	ASTM D 1693	80
Brittleness Temperature, °F (°C)	ASTM D 746	<-105 (<-76)
Deflection Temperature Under Load @ 66 psi (0.45 MPa), °F (°C)	ASTM D 648	163 (73)

- (1) Typical values, not to be construed as specifications. Users should confirm results by their own tests.
- (2) Molded and tested in accordance with ASTM D4976.

*** The reported values are typical and do not constitute a warranty but a guide for the diverse application possibilities.