DOW™ HDPE DMDC-7950 NT 7

High Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW DMDC-7950 NT 7 High Density Polyethylene (HDPE) Resin is intended for use in injection molding applications requiring a UV stabilization package such as roll-out trash carts and other large parts with short molding cycles. It is produced via UNIPOL™ Process Technology from Dow and has been designed to meet the rigorous performance characteristics of impact resistance, environmental stress crack resistance, stiffness, and low warpage, while maintaining excellent moldability.
Injection molding
Roll-out trash carts and other large parts
UV stabilized
Excellent impact strength, stress crack resistance and processability
Very narrow molecular weight distribution
Complies with:
U.S. FDA 21 CFR 177.1520 (c) 3.1a
Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.948	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.8	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	60.0	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, Compression Molded	22.1	MPa	
Break, Compression Molded	25.5	MPa	
Tensile Elongation			ASTM D638
Yield, Compression Molded	20	%	
Break, Compression Molded	2100	%	
Flexural Modulus - 2% Secant (Compression Molded)	965	MPa	ASTM D790B
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	68.3	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	123	°C	ASTM D1525
Melting Temperature (DSC)	132	°C	Internal Method
Peak Crystallization Temperature (DSC)	116	°C	Internal Method

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China