DOW™ HDPE DMDA-8904 HEALTH+™

High Density Polyethylene Resin

The Dow Chemical Company

Message:

Dow HDPE DMDA-8904 HEALTH+™ is a narrow molecular weight distribution high density copolymer designed to offer excellent stiffness, environmental stress crack resistance, and good moldability. The resin is suitable for injection-molded medical devices such as IV kit components and respiratory care. Films can also be cast from this product yielding good barrier and stiffness.
Main Characteristics:
Excellent stiffness
Excellent stress crack resistance
Good processability
High gloss parts
Complies with:
U.S. FDA 21CFR 177.1520 (c) 3.1a
EU, No 10/2011
Canadian HPFB No Objection
USP XXIII Class VI
Drug Master File Listing
Consult the regulations for complete details.

General Information			
UL YellowCard	E337483-100635873		
Agency Ratings	DMF not rated FDA 21 CFR 177.1520(c) 3.1a HPFB (Canada) No Objection USP XXIII, Class VI 3 Europe No 10/2011		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.952	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.4	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	22.0	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	59		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	26.9	MPa	ASTM D638
Fracture	31.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0	%	ASTM D638
Fracture	1200	%	ASTM D638

Flexural Modulus - 2% Secant	1100	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Tensile Impact Strength [1]	84.1	kJ/m^2	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	72.2	°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)	119	°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.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

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