DOW™ LLDPE DNDA-7340 NT 7

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

High melt strength
Excellent low temperature toughness
Outstanding environmental stress crack resistance
Exceptional flex life
Industrial Standards Compliance:
ASTM D3350: cell classification PE123110A
Complies with:
U.S. FDA 21 CFR 177.1520 (c) 3.1a
US FDA-DMF
Canadian HPFB No Objection (with limitations)
EU, No 10/2011
Consult the regulations for complete details.
DOW DNDA-7340 NT 7 Linear Low Density Polyethylene (LLDPE) Resin offers outstanding flex life, toughness and environmental stress crack resistance (ESCR) and is well-suited for use in blow molding applications such as small, squeezable bottles, as well as, extruded flexible hoses and, tubing. Offering high melt strength, excellent toughness and outstanding ESCR, DOW DNDA- 7340 NT 7 LLDPE resin also is well-suited for use in large blow molded parts, such as drum liners. Additionally, It may also be used in certain sheet and tubing applications where these properties are also important.

General Information			
Agency Ratings	ASTM D 3350 PE123110A DMF not rated FDA 21 CFR 177.1520(c) 3.1a HPFB (Canada) No Objection 2 Europe No 10/2011		
Forms	Particle		
Processing Method	Blow molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.920	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.65	g/10 min	ASTM D1238
190°C/21.6 kg	48	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	> 1500	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	49		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	11.0	MPa	ASTM D638
Fracture	13.8	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.0	%	ASTM D638

Fracture	700	%	ASTM D638
Flexural Modulus - 2% Secant	345	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Tensile Impact Strength [1]	252	kJ/m^2	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	42.0	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	98.9	°C	ASTM D1525
Melting Temperature (DSC)	119	°C	Internal method
Peak Crystallization Temperature (DSC)	107	°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

WECHAT