DOW™ LLDPE DNDB-1077 NT 7

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

Injection molding
Lids
Excellent processability with good low temperature impact strength
Very narrow molecular weight distribution
Complies with U.S. FDA 21 CFR 177.1520 (c)3.1a
Complies with CANADIAN HPFB NO OBJECTION (With Limitiations)
Complies with EU, No 10/2011
Consult the regulations for complete details.
DOW DNDB-1077 NT 7 Linear Low Density Polyethylene (LLDPE) Resin is produced using UNIPOL™ PE Process Technology and is intended for highspeed injection molding of thin-walled parts such as downgauged lids. This resin has been designed to have an excellent balance of processability and impact strength.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a HPFB (Canada) No Objection 2 Europe No 10/2011		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.929	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	100	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	< 1.00	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	11.0	MPa	ASTM D638
Fracture	8.27	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.0	%	ASTM D638
Fracture	120	%	ASTM D638
Flexural Modulus - 2% Secant	524	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Tensile Impact Strength [1]	168	kJ/m²	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	47.2	°C	ASTM D648

Brittleness Temperature	-30.0	°C	ASTM D746
Vicat Softening Temperature	96.1	°C	ASTM D1525
Melting Temperature (DSC)	126	°C	Internal method
Peak Crystallization Temperature (DSC)	112	°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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