

Technical Data

Product Description

DOW™ LLDPE
8335

DOW™ LLDPE 8335 is a Linear Low Density Polyethylene Resin material. It is available in Latin America.

Typical application of DOW™ LLDPE 8335: Food Contact Applications

DOW™ LLDPE
DNDA-8335 NT 7

DOW DNDA-8335 NT 7 Linear Low Density Polyethylene (LLDPE) Resin is produced using UNIPOL™ PE Process Technology and is intended for use in general purpose injection molding applications. This resin has been designed to have excellent impact strength, rigidity, environmental stress crack resistance and processability.

- Injection molding
- General purpose applications
- Excellent low temperature impact strength, rigidity, 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	DOW™ LLDPE 8335	DOW™ LLDPE DNDA-8335 NT 7
Manufacturer / Supplier	• The Dow Chemical Company	• The Dow Chemical Company
Generic Symbol	• LLDPE	• LLDPE
Material Status	• Commercial: Active	• Commercial: Active
Literature ¹	• Technical Datasheet	• Technical Datasheet
Search for UL Yellow Card	• The Dow Chemical Company	• The Dow Chemical Company
Availability	• Latin America	• Asia Pacific • North America
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.2a	• EU No 10/2011 • FDA 21 CFR 177.1520(c) 3.1a • HPFB (Canada) No Objection ²
Forms	• Pellets	• Pellets
Processing Method	--	• Injection Molding

Physical	DOW™ LLDPE 8335	DOW™ LLDPE DNDA-8335 NT 7	Unit	Test Method
Specific Gravity	0.928	0.928		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	35	35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance 122°F, 100% Igepal, F50	10.0	10.0	hr	ASTM D1693
Mechanical	DOW™ LLDPE 8335	DOW™ LLDPE DNDA-8335 NT 7	Unit	Test Method
Tensile Strength				ASTM D638
Yield	1600	1600	psi	
Break	1160	1100	psi	
Tensile Elongation				ASTM D638
Yield	2.0	2.0	%	
Break	75	75	%	
Flexural Modulus - 2% Secant	57000	57000	psi	ASTM D790B
Impact	DOW™ LLDPE 8335	DOW™ LLDPE DNDA-8335 NT 7	Unit	Test Method
Tensile Impact Strength ⁴	--	90.0	ft-lb/in ²	ASTM D1822
Hardness	DOW™ LLDPE 8335	DOW™ LLDPE DNDA-8335 NT 7	Unit	Test Method
Durometer Hardness (Shore D)	51	51		ASTM D2240



Thermal	DOW™ LLDPE 8335	DOW™ LLDPE DNDA-8335 NT 7	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed	--	113	°F	ASTM D648
Brittleness Temperature	< -105	-105	°F	ASTM D746
Vicat Softening Temperature	198	198	°F	ASTM D1525
Melting Temperature (DSC)	253	253	°F	Internal Method
Peak Crystallization Temperature (DSC)	--	226	°F	Internal Method

Additional InformationDOW™ LLDPE
DNDA-8335 NT 7

Plaque molded and tested in accordance with ASTM D4976.

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² With limitations

³ Typical properties: these are not to be construed as specifications.

⁴ Type S



Where to Buy

Supplier

DOW™ LLDPE 8335

The Dow Chemical Company

Midland, MI USA

Telephone: 800-441-4369

Web: <http://plastics.dow.com/>

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Distributor

DOW™ LLDPE 8335

Please contact the supplier to find a distributor for DOW™ LLDPE 8335

DOW™ LLDPE DNDA-8335 NT 7

Entec Polymers

Telephone: 800-375-5440

Web: <http://www.entecpolymers.com/>

Availability: North America

PolyOne Distribution

PolyOne Distribution is a global distribution company. Contact PolyOne Distribution for availability of individual products by country.

Telephone: 800-894-4266

Web: <http://polyonedistribution.com/>

Availability: Global

