



DOW™ LLDPE DNDA-1055 NT 7 Linear Low Density Polyethylene Resin

Overview DOW DNDA-1055 NT 7 Linear Low Density Polyethylene (LLDPE) Resin is produced using UNIPOL™ PE Process Technology and is intended for high-speed injection molding of thin-walled parts such as lids. This resin has been designed to have an excellent balance of processability and impact strength.

Main Characteristics:

- Excellent processability
- Good low temperature impact strength
- Balanced density and melt index

Complies with:

- U.S. FDA 21 CFR 177/1520(c)3.1a
- Canadian HPFB No Objection

Consult the regulations for complete details.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.928 g/cm ³	0.928 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	85 g/10 min	85 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 122°F (50°C), 100% Igepal, F50	3.00 hr	3.00 hr	ASTM D1693
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	1500 psi	10.3 MPa	ASTM D638
Tensile Elongation (Yield)	2.5 %	2.5 %	ASTM D638
Flexural Modulus - 2% Secant	68000 psi	469 MPa	ASTM D790B
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	115 °F	46.1 °C	ASTM D648

Additional Information

Plaque molded and tested in accordance with ASTM D4976.

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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