



# 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 <sup>3</sup>	0.928 g/cm <sup>3</sup>	ASTM D792
Melt Index (190°C/2.16 kg)	85 g/10 min	85 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
122°F (50°C), 100% Igepal, F50	3.00 hr	3.00 hr	
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			ASTM D648
66 psi (0.45 MPa), Unannealed	115 °F	46.1 °C	

## 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.

