

DOW™ LLDPE DNDA-1055 NT 7

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

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

Consult the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	85	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	3.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10.3	MPa	ASTM D638
Tensile Elongation (Yield)	2.5	%	ASTM D638
Flexural Modulus - 2% Secant	469	MPa	ASTM D790B
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	46.1	°C	ASTM D648
Additional Information			

Plaque molded and tested in accordance with ASTM D4976.

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Recommended distributors for this material

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