

DOW™ LLDPE DFDB-7509 NT

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ DFDB-7509 NT Linear Low Density Polyethylene (LLDPE) is produced using UNIPOL™ process technology and is intended for use in thin-wall micro-irrigation tape applications.

Main Characteristics:

Good extrudability

Good surface appearance

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.924	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	1.9	g/10 min	ASTM D1238
190°C/21.6 kg	55	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	14.5	MPa	ASTM D638
Fracture	24.1	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	13	%	ASTM D638
Fracture	800	%	ASTM D638
Flexural Modulus - 2% Secant	448	MPa	ASTM D790B
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	104	°C	ASTM D1525
Melting Temperature (DSC)	126	°C	Internal method
Additional Information			

根据 ASTM D 4976 进行基板模制和测试。

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