

DOW™ VLDPE DFDA-1010 NT 7

Very Low Density Polyethylene Resin

The Dow Chemical Company

Message:

Low modulus film

Excellent compatibility with polypropylene and polyethylene

Complies with U.S. FDA 21 CFR 177.1520 (c) 3.1a

Complies with EU, No 10/2011

Consult the regulations for complete details.

DFDA-1010 NT 7 Very Low Density Polyethylene (VLDPE) Resin is produced via gas phase polymerization from Dow. This is an ethylene-butene copolymer exhibiting high flexibility and elasticity. It can be utilized in monolayer and coextruded films and in blends with other polyolefins to enhance toughness of the structure.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.906	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.85	g/10 min	ASTM D1238
190°C/21.6 kg	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	91		ASTM D2240
Shaw A, 5 seconds	95		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	23.8	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus - 2% Secant	152	MPa	ASTM D790A
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-38.9	°C	Internal method
Melting Temperature (DSC)	119	°C	Internal method
Additional Information			

根据 ASTM D 4976 进行基板模制和测试。

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