DOW™ VLDPE DFDA-1098 NT

Very Low Density Polyethylene Resin

The Dow Chemical Company

Message:

High elasticity with good elastic recovery
Excellent impact strength in blends with polypropylene and polyethylene
Good mechanical flow characteristics
High melt strength
Complies with U.S. FDA 21 CFR 175.105
Consult the regulations for complete details.
DFDA-1098 NT Very Low Density Polyethylene (VLDPE) Resin is a unique olefinic composition for improved processability and material handling. This product 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 melt strength and toughness of the structure.

General Information			
Agency Ratings	FDA 21 CFR 175.105		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.886	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.45	g/10 min	ASTM D1238
190°C/21.6 kg	30	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	85		ASTM D2240
Shaw A, 5 seconds	82		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	3.45	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus - 2% Secant	37.2	MPa	ASTM D790A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature [1]	-48.9	°C	Internal method
Melting Temperature (DSC)	114	°C	Internal method
Additional Information			
根据 ASTM D 4976 进行基板模制和测试.			
NOTE			
1.	The reported value is used to simply DFDB-1088 NT, the main component in this mix.		

Recommended distributors for this material

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