

Dow FLEXOMER™ DFDA-1095 NT Very Low Density Polyethylene (VLDPE) Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

FLEXOMER™ DFDA-1095 NT is an ethylene-butene copolymer with a unique olefinic composition for improved process-ability and material handling. This product is produced via gas phase polymerization from Dow. It can be utilized in monolayer and co-extruded films and in blends with other polyolefins to enhance toughness of the structure. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-FLEXOMER-DFDA-1095-NT-Very-Low-Density-Polyethylene-VLDPE-Resin.php

Physical Properties	Metric	English	Comments
Density	0.886 g/cc	0.0320 lb/in ³	ASTM D792
Melt Index of Compound	1.3 g/10 min	1.3 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	1 sec; molded and tested in accordance with ASTM D4976; ASTM D2240
	78	78	5 sec; molded and tested in accordance with ASTM D4976; ASTM D2240
Tensile Strength at Break	5.93 MPa	860 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Break	625 %	625 %	Molded and tested in accordance with ASTM D4976; ASTM D638
Flexural Modulus	0.0296 GPa	4.30 ksi	2% Secant; Molded and tested in accordance with ASTM D4976; ASTM D790 A

Thermal Properties	Metric	English	Comments
Melting Point	114 °C	237 °F	Dow Method (DSC)
Glass Transition Temp, Tg	-52.2 °C	-62.0 °F	reported value is for pure FLEXOMER™ DFDB-1085 NT, the primary component in this blend; Dow Method

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