

Dow FLEXOMER™ DFDA-1010 NT 7 Very Low Density Polyethylene (VLDPE) Resin

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

Material Notes:

FLEXOMER™ DFDA-1010 NT 7 is an ethylene-butene copolymer 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-1010-NT-7-Very-Low-Density-Polyethylene-VLDPE-Resin.php

Physical Properties	Metric	English	Comments
Density	0.9055 g/cc	0.03271 lb/in ³	ASTM D792
High Load Melt Index	20 g/10 min	20 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	
Melt Index of Compound	0.85 g/10 min	0.85 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	91	91	1 sec; molded and tested in accordance with ASTM D4976; ASTM D2240
	95	95	5 sec; molded and tested in accordance with ASTM D4976; ASTM D2240
Tensile Strength at Break	23.8 MPa	3450 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Break	800 %	800 %	Molded and tested in accordance with ASTM D4976; ASTM D638
Flexural Modulus	0.152 GPa	22.0 ksi	2% Secant; Molded and tested in accordance with ASTM D4976; ASTM D790 A

Thermal Properties	Metric	English	Comments
Melting Point	119 °C	246 °F	Dow Method (DSC)
Glass Transition Temp, Tg	-38.9 °C	-38.0 °F	Dow Method

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