

## Dow FLEXOMER™ GRSN-1539 NT 7 Very Low Density Polyethylene (VLDPE) Resin

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

### Material Notes:

FLEXOMER™ GRSN-1539 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. Granular form enhances rapid melt blending into polypropylene or polyethylene. Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-FLEXOMER-GRSN-1539-NT-7-Very-Low-Density-Polyethylene-VLDPE-Resin.php](http://www.lookpolymers.com/polymer_Dow-FLEXOMER-GRSN-1539-NT-7-Very-Low-Density-Polyethylene-VLDPE-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	ASTM D792
High Load Melt Index	24 g/10 min @Load 21.6 kg, Temperature 190 °C	24 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238
Melt Index of Compound	0.85 g/10 min @Load 2.16 kg, Temperature 190 °C	0.85 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	91	91	1 sec; molded and tested in accordance with ASTM D4976; ASTM D2240
	94	94	5 sec; molded and tested in accordance with ASTM D4976; ASTM D2240
Tensile Strength at Break	16.5 MPa	2400 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Break	700 %	700 %	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	-42.2 °C	-44.0 °F	Dow Method

**Contact Songhan Plastic Technology Co.,Ltd.**

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