

## Dow FLEXOMER™ GERS-1088 NT Very Low Density Polyethylene (VLDPE) Resin

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

### Material Notes:

FLEXOMER™ GERS-1088 NT 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 melt strength and 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-GERS-1088-NT-Very-Low-Density-Polyethylene-VLDPE-Resin.php](http://www.lookpolymers.com/polymer_Dow-FLEXOMER-GERS-1088-NT-Very-Low-Density-Polyethylene-VLDPE-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.884 g/cc	0.0319 lb/in³	ASTM D792
High Load Melt Index	5.0 g/10 min	5.0 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	
Melt Index of Compound	0.090 g/10 min	0.090 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	81	81	1 sec; molded and tested in accordance with ASTM D4976; ASTM D2240
	82	82	5 sec; molded and tested in accordance with ASTM D4976; ASTM D2240
Tensile Strength at Break	8.27 MPa	1200 psi	Molded and tested in accordance with ASTM D4976; ASTM D638
Elongation at Break	500 %	500 %	Molded and tested in accordance with ASTM D4976; ASTM D638
Flexural Modulus	0.0310 GPa	4.50 ksi	2% Secant; Molded and tested in accordance with ASTM D4976; ASTM D790 A

Thermal Properties	Metric	English	Comments
Melting Point	115 °C	239 °F	Dow Method (DSC)
Glass Transition Temp, Tg	-47.8 °C	-54.0 °F	Dow Method

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