

## Dow Nordel® NDR 4820P EPDM Hydrocarbon Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Description: This crystalline ethylene-propylene-diene terpolymer (EPDM) has a low viscosity for excellent flow characteristics and hot green strength. It has been designed for property modification of thermoset rubber and thermoplastic polyolefin compounds including polyethylene and polypropylene. It can be crosslinked via traditional techniques including sulfur, phenolic, peroxide, irradiation and hydrosilation. NDR 4820P is developmental and made via INSITE™ technology. Information provided by manufacturer. This former DuPont Dow Elastomers product line is now produced by Dow Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Nordel-NDR-4820P-EPDM-Hydrocarbon-Rubber.php](http://www.lookpolymers.com/polymer_Dow-Nordel-NDR-4820P-EPDM-Hydrocarbon-Rubber.php)

Physical Properties	Metric	English	Comments
Density	0.908 g/cc	0.0328 lb/in <sup>3</sup>	ASTM D297
Volatiles	<= 0.40 %	<= 0.40 %	Total Volatiles; DuPont Dow PQ-E-007
Mooney Viscosity	20 @Temperature 125 °C	20 @Temperature 257 °F	ML 1 + 4; ASTM D1646
Melt Index of Compound	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Ash	<= 0.10 %	<= 0.10 %	ASTM D5667

Thermal Properties	Metric	English	Comments
Melting Point	90.0 °C	194 °F	Tm

Descriptive Properties	Value	Comments
ENB	4.9 mass%	ASTM D6047
Ethylene	85 mass%	ASTM D3900
Molecular Weight Distribution	Narrow	DuPont Dow PQ-E-034 and 036
Product Form	Pellets	
Propylene	10.1 mass%	ASTM D3900
Residual Transition Metal	Max 10 ppm	DuPont Dow

Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China