

## NOVA Chemicals Novapol® LC-0517-A LDPE Extrusion Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Extrusion Grade

### Material Notes:

Excellent adhesion, High drawdown, Excellent sealability  
 Applications: Dry soup pouches, Powdered drink pouches, Pharmaceutical packaging, Potato chip bags, Flexible and snack food packaging  
 Additives: Base resin  
 Information provided by NOVA Chemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Novapol-LC-0517-A-LDPE-Extrusion-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-LC-0517-A-LDPE-Extrusion-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D792
Water Vapor Transmission	18.0 g/m <sup>2</sup> /day	1.16 g/100 in <sup>2</sup> /day	WVT is done at 100°F, 90% relative humidity on 30 lb Kraft paper samples with LDPE coating weight of 15 lb/ream.; ASTM E96
Melt Flow	4.5 g/10 min @Load 2.16 kg, Temperature 190 °C	4.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Neck In	4.10 cm	1.61 in	at 1000 ft/min; Neck-in reported is the total of both sides; NOVA Chemicals test method
Drawdown	5.10 m/s	1000 ft/min	NOVA Chemical test method
Coating Weight	>= 9.60 g/m <sup>2</sup>	>= 6.00 lb/ream	TAPPI test method; ASTM D539

Mechanical Properties	Metric	English	Comments
Hot Tack Strength	225 g/25 mm	225 g/in	Tests done on samples with a coating weight of 12 lb/ream, prepared under the following extrusion coating conditions: Output Rate: 3 lb/hr/in, Melt Temp: 600°F, Die Width: 12 in, Substrate: 40 lb Kraft paper. Mfr reports 450 g per 50 mm (2 in).
Heat Seal Strength	1400 g/25 mm	3.09 lb/in	Tests done on samples with a coating weight of 12 lb/ream, prepared under the following extrusion coating conditions: Output Rate: 3 lb/hr/in, Melt Temp: 600°F, Die Width: 12 in, Substrate: 40 lb Kraft paper; ASTM D517

Processing Properties	Metric	English	Comments
Melt Temperature	315 - 325 °C	599 - 617 °F	Optimum adhesion is obtained at a draw span of about 10 cm. Treatment of the substrate or the use of primers will significantly enhance adhesion.

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

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