

NOVA Chemicals Novapol® TF-0242-E Hexene LLDPE Film Resin (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Hexene, Film Grade

Material Notes:

Excellent stiffness and glossApplications: Diaper back sheet, BlendingFilm properties are typical of film extruded at 270°C.Information provided by NOVA Chemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-TF-0242-E-Hexene-LLDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ASTM D792
Melt Flow	1.8 g/10 min @Load 2.16 kg, Temperature 190 °C	1.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	17.0 MPa	2470 psi	ASTM D882
Film Tensile Strength at Yield, TD	17.0 MPa	2470 psi	ASTM D882
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	1000 %	1000 %	ASTM D882
Secant Modulus, MD	0.385 GPa	55.8 ksi	at 1%; ASTM D882
Secant Modulus, TD	0.450 GPa	65.3 ksi	at 1%; ASTM D882
Impact	70	70	J/mm; NOVA Chemicals Puncture test
Elmendorf Tear Strength, MD	1.00 g/micron	25.4 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	12.0 g/micron	305 g/mil	ASTM D1922
Film Tensile Strength at Break, MD	48.0 MPa	6960 psi	ASTM D882
Film Tensile Strength at Break, TD	35.0 MPa	5080 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM D1003
Gloss	87 %	87 %	at 45°; ASTM D2457

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