

ExxonMobil NTX™ NTX 141 Super Strength Film Resin

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

Material Notes:

NTX super strength hexene blown film resins are designed for applications requiring exceptional strength for maximum downgauging potential. Key property improvements are significantly superior impact and tear strength. NTX resins are formulated with various additive packages for use in all high performance film applications. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-NTX-NTX-141-Super-Strength-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	ASTM D1505
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.90 g/10 min	0.90 g/10 min	ASTM D1238
Antiblock Level	6500 ppm	6500 ppm	
Slip Level	1400 ppm	1400 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.3 MPa	1500 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.3 MPa	1500 psi	ASTM D882
Film Elongation at Break, MD	565 %	565 %	ASTM D882
Film Elongation at Break, TD	775 %	775 %	ASTM D882
Elmendorf Tear Strength, MD	16.9 g/micron	430 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	29.5 g/micron	750 g/mil	ASTM D1922
Dart Drop	18.9 g/micron	480 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	55.2 MPa	8000 psi	ASTM D882
Film Tensile Strength at Break, TD	40.0 MPa	5800 psi	ASTM D882
1% Secant Modulus, MD	193 MPa	28000 psi	ASTM D882
1% Secant Modulus, TD	207 MPa	30000 psi	ASTM D882

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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