

ExxonMobil Nexxstar™ NX-00328 Low Density Polyethylene Resin

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

Material Notes:

Product Description: Nexxstar 00328 is an LDPE grade, which offers good film rigidity combined with very good optical properties. Its primary use is for high performance collation shrunk packaging. Availability: Latin America, North America and South America Additive: Antiblock: NoSlip: No Thermal Stabilizer: No Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Nexxstar-NX-00328-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.928 g/cc	0.0335 lb/in³	ExxonMobil method
Melt Flow	0.35 g/10 min	0.35 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.1 MPa	1900 psi	ASTM D882
Film Tensile Strength at Yield, TD	13.1 MPa	1900 psi	ASTM D882
Film Elongation at Break, MD	450 %	450 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Elmendorf Tear Strength MD	200 g	200 g	ASTM D1922
Elmendorf Tear Strength TD	300 g	300 g	ASTM D1922
Dart Drop Test	130 g	0.287 lb	ASTM D1709A
Film Tensile Strength at Break, MD	30.3 MPa	4400 psi	ASTM D882
Film Tensile Strength at Break, TD	28.3 MPa	4100 psi	ASTM D882
1% Secant Modulus, MD	262 MPa	38000 psi	ASTM D882
1% Secant Modulus, TD	283 MPa	41000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 239 °C	<= 462 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003
Gloss	68 %	68 %	45°; ASTM D2457

Optical Properties	Metric	English	Comments
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