

Technical Data Sheet

| Exceed™ Tough+ m 0516.ML mPE

Description

Exceed™ Tough+ m 0516.ML is an extreme Performance ethylene 1-hexene copolymer that offers step-out toughness, high flex-crack resistance and increased output with excellent bubble stability for a range of blown film applications. TnPP is not intentionally added to Exceed™ Tough+ m 0516.ML. Exceed™ Tough+m 0516.ML-when extreme Performance matters.

Technical Specification

Antiblock: No Slip: No Processing Aid: Yes Thermal Stabilizer: Yes

Properties	Typical value	Test method
Density	0.916g/cm ³	ASTM D792
Melt index	0.50g/10min (190℃/2.16kg)	ASTM D1238
Peak melting temperature	121℃	ExxonMobil method
Tensile strength at yield MD	9.0 Mpa	ASTM D882
Tensile strength at yield TD	9.6 Mpa	ASTM D882
Tensile strength at break MD	70 Mpa	ASTM D882
Tensile strength at break TD	50 Mpa	ASTM D882
Elongation at break MD	300%	ASTM D882
Elongation at break TD	640%	ASTM D882
Secant modulus MD - 1% secant	190 Mpa	ASTM D882
Secant modulus TD - 1% secant	230 Mpa	ASTM D882
Dart drop impact	750g	ASTM D1709A
Elmendorf tear strength MD	500g	ASTM D1922
Elmendorf tear strength TD	540g	ASTM D1922
Puncture force	53N	ExxonMobil method
Puncture energy	3.4J	ExxonMobil method

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Gloss (45°C)

33

ASTM D2457

Haze

22%

ASTM D1003

Applications

Agricultural Film, Blown Silage, Construction Liners, Liquid Packagin, Flexible Packaging.

Processing Statement

Film (1 mil/25.4 micron) made on a 3.5 inch (90 mm) blown film line with a 2.5:1 blow-up ratio.

A melt temperature of 400°F (204°C).

A 90 mill (2.29 mm) die gap at a rate of 15 lbs/hr/in die circumference (2.68 kg/hr/cm).

Notes

Typical properties: these are not to be construed as specifications.

Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.