

Technical Data Sheet

| Exceed™ m 3518.CB Cast Metallocene Polyethylene

Description

Exceed™ m 3518 resins are ethylene 1-hexene copolymers. Films made from Exceed™ m 3518 resins have outstanding tensile properties and impact and puncture toughness. These superior properties, along with excellent drawability, make these resins versatile for both monolayer and multilayer cast packaging film.

Technical Specification

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

Properties	Typical value	Test method
Density	0.918g/cm ³	ASTM D792
Melt index	3.5g/10min (190°C/2.16kg)	ASTM D1238
Peak melting temperature	114°C	ExxonMobil method
Tensile strength at yield MD	8.3 Mpa	ASTM D882
Tensile strength at yield TD	7.6 Mpa	ASTM D882
Tensile strength at break MD	70 Mpa	ASTM D882
Tensile strength at break TD	47 Mpa	ASTM D882
Elongation at break MD	510%	ASTM D882
Elongation at break TD	680%	ASTM D882
Secant modulus MD - 1% secant	110 Mpa	ASTM D882
Secant modulus TD - 1% secant	120 Mpa	ASTM D882
Dart drop impact	140g	ASTM D1709A
Elmendorf tear strength MD	190g	ASTM D1922
Elmendorf tear strength TD	500g	ASTM D1922
Puncture force	47N	ExxonMobil method
Puncture energy	4.3J	ExxonMobil method

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Gloss (45°C)	86	ASTM D2457
Haze	2.4%	ASTM D1003

Applications

Bag in box, barrier food packaging, blown film, cast film, cast stretch film, diaper backsheet, food packaging, form fill and seal packaging, hygiene film, packaging films, personal care.

Processing Statement

Film (0.8 mil/20 micron) made on a 3.5 inch cast film line with a 5.5 inch melt curtain length.

A melt temperature of 530-590°F (277-310°C).

80°F chill roll temperature and 750 fpm line speed.

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.