

Technical Data Sheet

| Exceed™ XP 7052ML Performance Polymer

Description

Exceed™ XP 7052ML is an extreme performance linear low density polyethylene 1-hexene copolymer that is especially designed to have high melt strength and superior mechanical and optical properties. The combination of high toughness (impact and puncture), melt stability, superior flex crack resistance and good sealing performance makes this grade a versatile blown film resin. TnPP is not intentionally added to Exceed™ XP 7052ML.

Technical Specification

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

Properties	Typical value	Test method
Density	0.912g/cm ³	ASTM D792
Melt index	0.50g/10min (190°C/2.16kg)	ASTM D1238
Peak melting temperature	109°C	ExxonMobil method
Tensile strength at yield MD	6.8 Mpa	ASTM D882
Tensile strength at yield TD	6.7 Mpa	ASTM D882
Tensile strength at break MD	70 Mpa	ASTM D882
Tensile strength at break TD	70 Mpa	ASTM D882
Elongation at break MD	410%	ASTM D882
Elongation at break TD	630%	ASTM D882
Secant modulus MD - 1% secant	110 Mpa	ASTM D882
Secant modulus TD - 1% secant	130 Mpa	ASTM D882
Dart drop impact	900g	ASTM D1709A
Elmendorf tear strength MD	80g	ASTM D1922
Elmendorf tear strength TD	270g	ASTM D1922
Puncture force	60N	ExxonMobil method

Exceed™ XP 7052ML



CHEMATE TECHNOLOGY CO., LTD

Web: www.chemategroup.com

Email: sales@chemategroup.com

Whatsapp/Wechat: +86 186 2483 2876

ADD: NO.80 PUHUI ROAD,ZHENGZHOU CITY, HENAN PROVINCE, CHINA

Puncture energy	5.2J	ExxonMobil method
Gloss (45°C)	66	ASTM D2457
Haze	5.3%	ASTM D1003

Applications

Cast geomembrane, frozen foods, mulch film, construction liners, greenhouse film, shrink film, flexible packaging, lamination film, stretch hood film, food packaging, liquid packaging, stretch sleeves.

Processing Statement

Film (1 mil/25.4 micron) made on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio.

A melt temperature of 425°F.

A 30 mil (0.76 mm) die gap at a rate of 10 lbs/hr/in die circumference (1.79 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.