

Technical Data Sheet

| Exceed™ Flow m 0520.RA mPE

Description

Exceed™ Flow m 0520.RA is an ethylene 1-hexene copolymer resin. Exceed™ Flow performance polymer resins offer an outstanding balance between processing and film properties, including tensile, impact and puncture. Easier processing and excellent properties lead to significant high pressure LDPE replacement in many applications, yet with superior drawdown and enhanced toughness. Fluoropolymers, or fluorine-containing compounds, and TNPP are not intentionally added to Exceed™ Flow m 0520.RA.

Technical Specification

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

Properties	Typical value	Test method
Density	0.920g/cm ³	ASTM D792
Melt index	0.5g/10min (190℃/2.16kg)	ASTM D1238
Peak melting temperature	115℃	ExxonMobil method
Tensile strength at yield MD	9.9 Mpa	ASTM D882
Tensile strength at yield TD	11 Mpa	ASTM D882
Tensile strength at break MD	60 Mpa	ASTM D882
Tensile strength at break TD	60 Mpa	ASTM D882
Elongation at break MD	480%	ASTM D882
Elongation at break TD	710%	ASTM D882
Secant modulus MD - 1% secant	210 Mpa	ASTM D882
Secant modulus TD - 1% secant	240 Mpa	ASTM D882
Dart drop impact	240g	ASTM D1709A
Elmendorf tear strength MD	90g	ASTM D1922
Elmendorf tear strength TD	570g	ASTM D1922

Puncture force	54N	ExxonMobil method
Puncture energy	3.8J	ExxonMobil method
Gloss (45°C)	57	ASTM D2457
Haze	7.8%	ASTM D1003

Applications

Agricultural Film, Form Fill And Seal Packaging, Blown Film, Shrink Film, Heavy Duty Bags, Stand Up Pouches, Cast Stretch Film, Collation Shrink, Lamination Film, Food Packaging, Multilayer Packaging Film.

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 380-400°F (193-204°C).

A 30 mill (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.