

Technical Data Sheet

| Exceed™ Flow m 0327.RA Metallocene Polyethylene

Description

Exceed™ Flow m 0327.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 0327.RA.

Technical Specification

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

Properties	Typical value	Test method
Density	0.927g/cm ³	ASTM D792
Melt index	0.3g/10min (190°C/2.16kg)	ASTM D1238
Peak melting temperature	119°C	ExxonMobil method
Vicat softening temperature	115°C	
Tensile strength at yield MD	13 Mpa	ASTM D882
Tensile strength at yield TD	15 Mpa	ASTM D882
Tensile strength at break MD	60 Mpa	ASTM D882
Tensile strength at break TD	50 Mpa	ASTM D882
Elongation at break MD	480%	ASTM D882
Elongation at break TD	750%	ASTM D882
Secant modulus MD - 1% secant	310 Mpa	ASTM D882
Secant modulus TD - 1% secant	380 Mpa	ASTM D882
Dart drop impact	140g	ASTM D1709A
Elmendorf tear strength MD	40g	ASTM D1922

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Elmendorf tear strength TD	670g	ASTM D1922
Puncture force	50N	ExxonMobil method
Puncture energy	2.8J	ExxonMobil method
Gloss (45°C)	42	ASTM D2457
Haze	12%	ASTM D1003

Applications

Blown film, collation shrink, food packaging, form fill and seal packaging, heavy duty bags, lamination film, multilayer packaging film, shrink film, stand up pouches.

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 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.