

Technical Data Sheet

| Exxtra™ Seal m 2012.RA Metallocene Polyethylene

Description

Exxtra™ Seal m 2012.RA is an ethylene 1-hexene copolymer resin. Films that incorporate Exxtra™ Seal m 2012.RA can enable outstanding toughness, impact strength and puncture performance. These superior strength properties, along with excellent heat and seal and hot tack performance, highlight a very versatile packaging film resin. Fluoropolymers, or fluorine-containing compounds, and TNPP are not intentionally added to Exxtra™ Seal m 2012.RA.

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	2.0g/10min (190°C/2.16kg)	ASTM D1238
Peak melting temperature	114°C	ExxonMobil method
Vicat softening temperature	96°C	
Tensile strength at yield MD	6.3 Mpa	ASTM D882
Tensile strength at yield TD	6.0 Mpa	ASTM D882
Tensile strength at break MD	70 Mpa	ASTM D882
Tensile strength at break TD	60 Mpa	ASTM D882
Elongation at break MD	560%	ASTM D882
Elongation at break TD	610%	ASTM D882
Secant modulus MD - 1% secant	100 Mpa	ASTM D882
Secant modulus TD - 1% secant	100 Mpa	ASTM D882
Dart drop impact	690g	ASTM D1709A
Elmendorf tear strength MD	240g	ASTM D1922
Elmendorf tear strength TD	300g	ASTM D1922

Puncture force	57N	ExxonMobil method
Puncture energy	5.3J	ExxonMobil method
Gloss (45°C)	33	ASTM D2457
Haze	21%	ASTM D1003

Applications

Bag in box, barrier food packaging, blown film, food packaging, form fill and seal packaging, freezer film, heavy duty bags, ice bags, lamination film, multilayer packaging film, stand up pouches.

Processing Statement

Film (1 mil/25.4 micron) made on a 2.6 inch (65 mm) blown film line with a 2.5:1 blow-up ratio.

A melt temperature of 400-420°F (204-216°C).

A 60 mil (1.52 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.