

Exceed™ 3518CB

Metallocene Polyethylene Resin

Product Description

Exceed 3518CB grade is metallocene ethylene-hexene copolymers. Films made of Exceed 3518CB grade have outstanding tensile, impact and puncture resistance properties. Furthermore, they are fully stabilised for cast mono and multi layer film production.

General

Additive	▪ Exceed 3518CB: Antiblock: No; Slip: No; Thermal Stabilizer: Yes		
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

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.918 g/cm ³	0.918 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	3.5 g/10 min	3.5 g/10 min	ASTM D1238

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	13000 psi	90 MPa	ASTM D882
Tensile Strength at Break TD	8000 psi	60 MPa	ASTM D882
Elongation at Break MD	500 %	500 %	ASTM D882
Elongation at Break TD	750 %	750 %	ASTM D882
Secant Modulus MD - 1% Secant	16000 psi	110 MPa	ASTM D882
Secant Modulus TD - 1% Secant	19000 psi	130 MPa	ASTM D882
Dart Drop Impact	180 g	180 g	ASTM D1709A
Elmendorf Tear Strength MD	160 g	160 g	ASTM D1922
Elmendorf Tear Strength TD	460 g	460 g	ASTM D1922
Puncture Force	20 lbf	90 N	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (60°)	14	14	ASTM D2457
Haze	2.0 %	2.0 %	ASTM D1003

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

The film properties have been measured on a 20 µm (0.79 mil) thick cast film made of Exceed 3518CB. Film was aged at 60°C (140°F) for 48 hours before lab conditioning and testing. Film extruded on a cast film line at 230 m/min (755 ft/min) line speed and temperature setting of 280°C (536°F).

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.