

Exceed™ Flow m 0520 Series

Metallocene Polyethylene

Product Description

Exceed™ Flow m 0520 resins are ethylene 1-hexene copolymers. Exceed™ Flow performance polymer resins offer an outstanding balance puncture. Easier processing and excellent properties lead to significanthigh pressure LDPE replacement in many applications, yet with superior drawdown and enhanced toughness. TnPP is not intentionally added to Exceed™ Flow m 0520 resins.

General						
Availability ¹	Africa & Middle EastAsia Pacific		EuropeLatin America	 North 	North America	
Additive	 Exceed™ Flow m 0520.MC: Antiblock: No; Slip: No; Processing Aid: Yes; Thermal Stabilizer: Yes Exceed™ Flow m 0520.PA: Antiblock: No; Slip: No; Processing Aid: No; Thermal Stabilizer: Yes Exceed™ Flow m 0520.ME: Antiblock: 2000 ppm; Slip: 500 ppm; Processing Aid: Yes; Thermal Stabilizer: Yes 					
Applications	Agricultural FilmBlown FilmCast FilmCast Stretch FilmCollation Shrink	own Film Form Fill And Seal Packaging Stand Up Pouches est Film Heavy Duty Bags Stretch Film Lamination Film				
Revision Date	• 06/03/2020					
Resin Properties	Typical Value	(Enalish)	Typical Value	(SI)	Test Based On	
Density / Specific Gravity	7.1	g/cm ³		g/cm³	ASTM D792	
Melt Index (190°C/2.16 kg)		g/10 min		g/10 min	ASTM D1238	
Peak Melting Temperature	239		115		ExxonMobil Method	
- Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On	
Vicat Softening Temperature	225	°F	107	°C	ExxonMobil Method	
Film Properties	Typical Value	(Fnalish)	Typical Value	(SI)	Test Based On	
Tensile Strength at Yield MD	1400		7.1	MPa	ASTM D882	
Tensile Strength at Yield TD	1600		11	MPa	ASTM D882	
Tensile Strength at Break MD	8800	psi	60	MPa	ASTM D882	
Tensile Strength at Break TD	8000	psi	60	MPa	ASTM D882	
Elongation at Break MD	480	%	480	%	ASTM D882	
Elongation at Break TD	710	%	710	%	ASTM D882	
Secant Modulus MD - 1% Secant	30000	psi	210	MPa	ASTM D882	
Secant Modulus TD - 1% Secant	34000	psi	240	MPa	ASTM D882	
Dart Drop Impact	240	g	240	g	ASTM D1709A	
Elmendorf Tear Strength MD	90	g	90	9	ASTM D1922	
Elmendorf Tear Strength TD	570	g	570	g	ASTM D1922	
Puncture Force	12	lbf	54	N	ExxonMobil Method	
Puncture Energy	33	in·lb	3.8	J	ExxonMobil Method	
Optical Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On	
Gloss (45°)	57		57		ASTM D2457	
Haze	7.8	%	7.8	%	ASTM D1003	

Effective Date: 06/03/2020 ExxonMobil Page: 1 of 2



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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.

Tris(nonylphenol)phosphite (TNPP) CAS# 26523-78-4 is not intentionally used by ExxonMobil in this product. Although this product is not routinely tested for its presence, based on product composition knowledge this substance is not expected to be present. However, the fact that this substance is not intentionally used by ExxonMobil in this product does not exclude that trace levels of this substance may be present as a result of the specific characteristics of the raw materials and/or of the manufacturing process.

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.

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.

For additional technical, sales and order assistance: Contact Us

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