Product Datasheet

ExxonMobil Signature Polymers

Exceed™ 2718QA

Performance Polymer

Product Description

Exceed 2718QA resin is an ethylene 1-hexene copolymer. Films made from Exceed 2718QA resin have outstanding tensile properties and impact and puncture toughness. These superior properties, along with excellent drawability, make this a versatile resin for both monolayer and multilayer cast stretch film.

TnPP is not intentionally added to Exceed 2718QA.

General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Additive	▪ Antiblock: No ▪ Slip: No	▪ Processing Aid: No ▪ Thermal Stabilizer: Yes	
Applications	▪ Bag in Box ▪ Barrier Food Packaging ▪ Blown Film ▪ Cast Film	▪ Cast Stretch Film ▪ Diaper Backsheet ▪ Form Fill And Seal Packaging ▪ Hygiene film	▪ Packaging Films ▪ Personal Care ▪ Premium Trash Bags ▪ Stand Up Pouches
Revision Date	▪ 02/10/2022		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density / Specific Gravity	0.918	g/cm³	0.918	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	2.7	g/10 min	2.7	g/10 min	ASTM D1238
Peak Melting Temperature	243	°F	117	°C	ExxonMobil Method

Film Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Strength at Yield MD	1200	psi	8.5	MPa	ASTM D882
Tensile Strength at Yield TD	1100	psi	7.9	MPa	ASTM D882
Tensile Strength at Break MD	11000	psi	80	MPa	ASTM D882
Tensile Strength at Break TD	7400	psi	50	MPa	ASTM D882
Elongation at Break MD	470	%	470	%	ASTM D882
Elongation at Break TD	720	%	720	%	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	200	g	200	g	ASTM D1709A
Elmendorf Tear Strength MD	170	g	170	g	ASTM D1922
Elmendorf Tear Strength TD	420	g	420	g	ASTM D1922
Puncture Force	11	lbf	49	N	ExxonMobil Method
Puncture Energy	37	in·lb	4.2	J	ExxonMobil Method

Optical Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Gloss (45°)	91		91		ASTM D2457
Haze	1.8	%	1.8	%	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

Film (0.8 mil / 20 micron) made from Exceed 2718 on a 3.5 inch cast film line with a 5.5 inch melt curtain, 80°F (27°C) chill roll temperature at a 750 ft/min take-off speed and a melt temperature between 559-577°F (292-303°C).

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.

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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ExxonMobil

Exceed™ 2718QA
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For additional technical, sales and order assistance: Contact Us

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