

## Product Datasheet



# 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 <sup>1</sup>	<ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> </ul>	<ul style="list-style-type: none"> <li>Europe</li> <li>Latin America</li> </ul>	<ul style="list-style-type: none"> <li>North America</li> </ul>
Additive	<ul style="list-style-type: none"> <li>Antiblock: No</li> <li>Slip: No</li> </ul>	<ul style="list-style-type: none"> <li>Processing Aid: No</li> <li>Thermal Stabilizer: Yes</li> </ul>	
Applications	<ul style="list-style-type: none"> <li>Bag in Box</li> <li>Barrier Food Packaging</li> <li>Blown Film</li> <li>Cast Film</li> </ul>	<ul style="list-style-type: none"> <li>Cast Stretch Film</li> <li>Diaper Backsheet</li> <li>Form Fill And Seal Packaging</li> <li>Hygiene film</li> </ul>	<ul style="list-style-type: none"> <li>Packaging Films</li> <li>Personal Care</li> <li>Premium Trash Bags</li> <li>Stand Up Pouches</li> </ul>
Revision Date	02/10/2022		

## Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density / Specific Gravity	0.918 g/cm <sup>3</sup>	0.918 g/cm <sup>3</sup>	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.

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

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**ExxonMobil**

Exceed™ 2718QA  
Performance Polymer

For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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