Product Datasheet

ExxonMobil Signature Polymers

Exceed™ Flow PP6282NE2

Polypropylene Homopolymer

Product Description

A high melt strength homopolymer resin that provides uniform wall distribution in thin wall packaging applications and excellent processing characteristics in extrusion and thermoforming processes. Exceed™ Flow PP6282NE2 has a broad processing window, can be run at fast cycle speeds, and provides good clarity, especially in deep draw applications.

General

Availability [1]	▪ North America		
Features	▪ Excellent Processability ▪ High Melt Strength	▪ High Stiffness ▪ Homopolymer	▪ Nucleated
Uses	▪ Cups ▪ Food Containers	▪ Lids ▪ Packaging	
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Extrusion	▪ Sheet Extrusion	▪ Thermoforming
Revision Date	▪ 04/01/2020		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	1.8	g/10 min	ASTM D1238
Density	0.900	g/cm³	0.900	g/cm³	ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield					ASTM D638
2.0 in/min (51 mm/min)	5660	psi	39.0	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	7.5	%	7.5	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	312000	psi	2150	MPa	ASTM D790A
0.51 in/min (13 mm/min)	348000	psi	2400	MPa	ASTM D790B
Melt Strength (374°F (190°C))	36.0	cN	36.0	cN	ExxonMobil Method

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C))	0.88	ft·lb/in	47	J/m	ASTM D256A

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	248	°F	120	°C	ExxonMobil Method

Legal Statement

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

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

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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For additional technical, sales and order assistance: Contact Us

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