ExxonMobil Signature Polymers

ExxonMobil™ PP2822E2

Polypropylene Homopolymer

Product Description

A medium flow homopolymer resin designed for mono-oriented products like stretched tapes. It is produced with a catalyst system that does not include intentionally-added phthalate compounds.

General

Availability [1]	▪ Asia Pacific		
Features	▪ Good Gauge Control ▪ Good Processability	▪ Medium Flow ▪ No Intentionally Added Phthalates	
Uses	▪ Carpet Backing ▪ Fabrics	▪ Rope ▪ Tape	▪ Yarn
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Extrusion		
Revision Date	▪ 04/26/2018		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	4.0	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	5120	psi	35.3	MPa	ASTM D638
Elongation at Yield	9.4	%	9.4	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	234000	psi	1610	MPa	ASTM D790A
0.51 in/min (13 mm/min)	269000	psi	1850	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C))	0.70	ft·lb/in	37	J/m	ASTM D256A
Gardner Impact (73°F (23°C))	13.0	in·lb	1.47	J	ASTM D5420

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	197	°F	91.4	°C	ExxonMobil Method

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	105	105	ASTM D785

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 acknowledgement of ExxonMobil Chemical as to the intended use.

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.

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For additional technical, sales and order assistance: Contact Us

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