Product Datasheet

ExxonMobil Signature Polymers

Exceed™ PP9122

Polypropylene Random Copolymer

Product Description

Exceed™ PP9122 is a random copolymer resin designed for extrusion blow molding applications and thermoforming of specialty devices and packaging. It has excellent organoleptics and very low ash metal content.

General

Availability [1]	▪ North America		
Features	▪ Clean/High Purity	▪ Low Extractables	▪ Low Odor
Uses	▪ Caps	▪ Closures	▪ Packaging
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Blow Molding ▪ Extrusion ▪ Extrusion Blow Molding	▪ Injection Blow Molding ▪ Profile Extrusion ▪ Sheet Extrusion	▪ Thermoforming
Revision Date	▪ 01/17/2023		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.1	g/10 min	2.1	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)	4140	psi	28.5	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	13	%	13	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	141000	psi	972	MPa	ASTM D790A
0.51 in/min (13 mm/min)	166000	psi	1140	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C))	1.3	ft·lb/in	68	J/m	ASTM D256A

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	179	°F	81.6	°C	ASTM D648

Legal Statement

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

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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