ExxonMobil Signature Polymers

Exact™ 9371

Ethylene-based Plastomer

Product Description

Exact 9371 is an ethylene butene copolymer produced using ExxonMobil's proprietary metallocene catalyst technology. This resin is compatible with polyolefins like polypropylene (PP), polyethylene (PE) and ethylene-vinyl acetate copolymer resin (EVA).

Key Features

- EVA foam modification.
- PP / TPO modification.
- Low density.
- Low crystallinity.
- Free flowing pellets.

General

Availability [1]	▪ Asia Pacific	
Applications	▪ Compounding and TPO ▪ General purpose elastomer	▪ Injection Molding ▪ Polymer Modification
Form(s)	▪ Pellets	
Revision Date	▪ 04/26/2024	

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.872	g/cm³	0.872	g/cm³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	4.5	g/10 min	4.5	g/10 min	ExxonMobil Method

Hardness	Typical Value (English)		Typical Value (SI)		Test Based On
Durometer Hardness (Shore A)	71		71		ASTM D2240

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Flexural Modulus - 1% Secant	2300	psi	16	MPa	ASTM D790

Elastomers	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at 100%	370	psi	2.5	MPa	ASTM D412
Tensile Strength at Break	535	psi	3.69	MPa	ASTM D412
Elongation at Break	800	%	800	%	ASTM D412

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	125	°F	51.4	°C	ExxonMobil Method
Peak Melting Temperature	131	°F	55	°C	ExxonMobil Method
Crystallization Peak, Tc	111	°F	44	°C	ExxonMobil Method
Glass Transition, Tg	-56	°F	-49	°C	ExxonMobil Method

Additional Information

All physical properties were measured on compression molded specimens.

Legal Statement

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.

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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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