

## ExxonMobil Exact™ 9071 Ethylene-based Plastomer Resin

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

**Product Description:** Exact 9071 plastomer is an ethylene butene copolymer produced using ExxonMobil Chemical's EXXPOL™ Technology, exhibiting both plastic and elastomeric properties. **Key Features:** PP/TPO modification. EVA modification. Designed as a low density and high molecular weight polymer modifier to impart impact strength and toughness. Available as free flowing pellets. **Availability:** Africa & Middle East, Europe, North America, Asia Pacific, Latin America and South America. All physical properties were measured from specimens cut from compression molded plaques per ASTM D 4703, Procedure A, Type I and conditioned at 23°C for a minimum of 40 hours per ASTM D 618 prior to testing. All stress/strain tests used specimens cut with a Type IV (Die C) die and tested with a grip separation of 25 mm (1") and a crosshead speed of 20 in./min. Information provided by ExxonMobil Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Exact-9071-Ethylene-based-Plastomer-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-Exact-9071-Ethylene-based-Plastomer-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.870 g/cc	0.870 g/cc	ASTM D1505
Melt Flow	0.50 g/10 min	0.50 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	0.50 g/10 min	0.50 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	0.12 in; ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	4.00 MPa	580 psi	ASTM D412 and ISO 37
Tensile Stress	2.20 MPa	319 psi	ASTM D412 and ISO 37
	@Strain 100 %	@Strain 100 %	
Elongation at Break	1500 %	1500 %	ASTM D412 and ISO 37
Flexural Modulus, 1% Secant	12.6 MPa	1830 psi	ASTM D790 and ISO 178

Thermal Properties	Metric	English	Comments
Heat of Fusion	52.0 J/g	22.4 BTU/lb	Crystallinity; ExxonMobil Method
Melting Point	50.0 °C	122 °F	Peak; ExxonMobil Method
Crystallization Temperature	38.0 °C	100 °F	ExxonMobil Method

Thermal Properties Heat Softening Point	Metric 30.0 °C	English 86 °F	Comments ASTM D1525 and ISO 306/A
Glass Transition Temp, Tg	-49.0 °C	-56.2 °F	ExxonMobil Method

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