

Exact™ 4053

Ethylene-based Plastomer Resin
ExxonMobil Chemical

Message:

EXACT 4053 is an ethylene-based butene plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. This resin is designed primarily for use in blends with polyolefins to improve the heat sealing performance and/or toughness in film applications. EXACT 4053 contains no antioxidants.

General Information			
Forms	Particle		
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	34.1	MPa	ASTM D882
TD	38.1	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	3.50	MPa	ASTM D882
TD: Yield	3.11	MPa	ASTM D882
MD: Fracture	57.1	MPa	ASTM D882
TD: Fracture	49.6	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield	12	%	ASTM D882
TD: Yield	11	%	ASTM D882
MD: Fracture	530	%	ASTM D882
TD: Fracture	760	%	ASTM D882
Dart Drop Impact	140	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	53	g	ASTM D1922
TD	130	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	56.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	85		ASTM D2457
Haze	1.6	%	ASTM D1003
Legal statement			

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