

Exact™ 4053 Cast

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	36.6	MPa	ASTM D882
1% secant, TD	35.8	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	4.34	MPa	ASTM D882
TD: Yield	3.24	MPa	ASTM D882
MD: Fracture	64.8	MPa	ASTM D882
TD: Fracture	46.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield	14	%	ASTM D882
TD: Yield	11	%	ASTM D882
MD: Fracture	440	%	ASTM D882
TD: Fracture	820	%	ASTM D882
Dart Drop Impact	120	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	30	g	ASTM D1922
TD	90	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°)	89		ASTM D2457
Haze	0.50	%	ASTM D1003
Legal statement			

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

