

Exact™ 4151 Cast

Ethylene-based Plastomer Resin

ExxonMobil Chemical

Message:

EXACT 4151 is an ethylene-based hexene plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. EXACT 4151 is designed for both monolayer and multilayer coextruded cast and blown film applications requiring low sealing temperatures, high oxygen transmission and high toughness. Typical applications include seal layers for lamination films used in meat, poultry and produce packaging.

General Information			
Additive	heat stabilizer		
Forms	Particle		
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	55.6	MPa	ASTM D882
1% secant, TD	63.8	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	5.45	MPa	ASTM D882
TD: Yield	4.07	MPa	ASTM D882
MD: Fracture	85.2	MPa	ASTM D882
TD: Fracture	69.4	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield	12	%	ASTM D882
TD: Yield	8.5	%	ASTM D882
MD: Fracture	410	%	ASTM D882
TD: Fracture	640	%	ASTM D882
Dart Drop Impact	940	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	90	g	ASTM D1922
TD	280	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	76.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	93		ASTM D2457
Haze	0.40	%	ASTM D1003
Legal statement			

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