

Exceed™ 1018KB

Metallocene Polyethylene Resin

ExxonMobil Chemical

Message:

Edge 1018KB resin is a metallocene ethylene-hexene copolymer. The film made of Edge 1018KB resin has excellent tensile strength, impact strength and puncture resistance. These excellent strength properties, together with good drawing properties, can achieve plastic bag thinning.

General Information			
Additive	Processing aid Anti-caking agent (2500 ppm) heat stabilizer Sliding agent (800 ppm)		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	185	MPa	ASTM D882
1% secant, TD	192	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	9.37	MPa	ASTM D882
TD: Yield	9.40	MPa	ASTM D882
MD: Fracture	54.3	MPa	ASTM D882
TD: Fracture	42.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	500	%	ASTM D882
TD: Fracture	600	%	ASTM D882
Dart Drop Impact	590	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	250	g	ASTM D1922
TD	470	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	39		ASTM D2457
Haze	18	%	ASTM D1003
Legal statement			

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