

Exceed™ 2018KB

Metallocene Polyethylene Resin

ExxonMobil Chemical

Message:

Edge 2018KB is a metallocene catalyzed ethylene-ethane copolymer. The film made of Edge 2018KB has outstanding tensile strength, impact strength and puncture resistance. These excellent strength properties, together with good tensile properties, make it a universal packaging film resin. The higher melt index also allows the polymer to be ideally mixed into a film rich in low density polyethylene.

General Information			
Additive	Processing aid		
	Anti-caking agent (2500 ppm)		
	heat stabilizer		
	Sliding agent (800 ppm)		
Forms	Particle		
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	176	MPa	ASTM D882
1% secant, TD	184	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	8.83	MPa	ASTM D882
TD: Yield	9.38	MPa	ASTM D882
MD: Fracture	51.3	MPa	ASTM D882
TD: Fracture	44.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	570	%	ASTM D882
TD: Fracture	630	%	ASTM D882
Dart Drop Impact	600	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	320	g	ASTM D1922
TD	500	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	53		ASTM D2457
Haze	12	%	ASTM D1003
Legal statement			

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