

Exceed™ 2018HA

Metallocene Polyethylene Resin

ExxonMobil Chemical

Message:

Edge 2018HA is a metallocene catalyzed ethylene-ethane copolymer. The 2018HA by Edge has excellent 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 heat stabilizer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	164	MPa	ASTM D882
1% secant, TD	182	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	9.09	MPa	ASTM D882
TD: Yield	9.07	MPa	ASTM D882
MD: Fracture	60.2	MPa	ASTM D882
TD: Fracture	56.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	590	%	ASTM D882
TD: Fracture	700	%	ASTM D882
Dart Drop Impact	670	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	330	g	ASTM D1922
TD	460	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	18		ASTM D2457
Haze	37	%	ASTM D1003
Legal statement			

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