

Exceed™ 1518HA

Metallocene Polyethylene Resin
ExxonMobil Chemical

Message:

Edge 1518HA resin is a metallocene ethylene-ethane copolymer. The film made of Edge 1518HA resin has excellent tensile strength, impact strength and puncture resistance. These excellent strength properties, together with good stretchability, make the resin a general-purpose resin for packaging films.

General Information			
Additive		Processing aid heat stabilizer	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	180	MPa	ASTM D882
1% secant, TD	194	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	9.22	MPa	ASTM D882
TD: Yield	9.74	MPa	ASTM D882
MD: Fracture	63.3	MPa	ASTM D882
TD: Fracture	57.9	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	550	%	ASTM D882
TD: Fracture	690	%	ASTM D882
Dart Drop Impact	640	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	290	g	ASTM D1922
TD	420	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	20		ASTM D2457
Haze	40	%	ASTM D1003
Legal statement			

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