

Enable™ 27-03HH

Metallocene Polyethylene Resin
ExxonMobil Chemical

Message:

Enenbao 27-03CH is a metallocene ethylene-hexene copolymer. Enenmene metal polyethylene resin has excellent processing properties and film properties (including tensile resistance, impact resistance and puncture resistance). Easier processing and excellent performance make it a significant replacement for low density polyethylene in a variety of applications, while it also has excellent drafting performance and higher toughness.

General Information			
Additive		Processing aid heat stabilizer	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	310	MPa	ASTM D882
1% secant, TD	383	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	13.3	MPa	ASTM D882
TD: Yield	15.5	MPa	ASTM D882
MD: Fracture	64.2	MPa	ASTM D882
TD: Fracture	52.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	480	%	ASTM D882
TD: Fracture	750	%	ASTM D882
Dart Drop Impact	130	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	38	g	ASTM D1922
TD	670	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	42		ASTM D2457
Haze	12	%	ASTM D1003

Legal statement
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