

Enable™ 23-05 Series

Metallocene Polyethylene Resin
ExxonMobil Chemical

Message:

Enenbao 23-05 resin 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. Enengbao 23-05 resin has use and does not use anti-adhesion.

General Information			
Additive		Enable 23-05NA: processing aid; Anti-caking agent (2000 ppm); Heat stabilizer	
		Enable 23-05HH: processing aid; heat stabilizer	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	244	MPa	ASTM D882
1% secant, TD	286	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	11.3	MPa	ASTM D882
TD: Yield	11.9	MPa	ASTM D882
MD: Fracture	61.5	MPa	ASTM D882
TD: Fracture	53.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	480	%	ASTM D882
TD: Fracture	730	%	ASTM D882
Dart Drop Impact	180	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	63	g	ASTM D1922
TD	630	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	51		ASTM D2457
Haze	9.5	%	ASTM D1003
Legal statement			

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