

Exceed™ XP 6056ML

高性能聚合物

产品说明

Exceed™ XP 6056ML is an eXtreme Performance linear low density polyethylene 1-hexene copolymer that is especially designed to have good melt strength and excellent tensile, impact, and puncture properties. The combination of high toughness, melt stability and good sealing performance makes this grade a versatile blown film resin. TnPP is not intentionally added to Exceed™ XP 6056ML. Exceed™ XP 6056ML - when eXtreme Performance matters.

总览

添加剂	▪ Exceed XP 6056ML: 开口: 否; 爽滑: 否; 加工助剂: 是; 热稳定剂: 是		
应用	▪ Construction Liners	▪ 复合膜	▪ 重型包装袋
	▪ Geomembrane	▪ 食品包装	
	▪ Greenhouse Film	▪ 收缩膜	

物理性能	典型数值 (英制)	典型数值 (公制)	测试方法
密度	0.916 g/cm ³	0.916 g/cm ³	ASTM D1505
熔融指数 (190 ° C/2.16 kg)	0.50 g/10 min	0.50 g/10 min	ASTM D1238
熔融峰值温度	228 ° F	109 ° C	ExxonMobil Method

薄膜	典型数值 (英制)	典型数值 (公制)	测试方法
MD 屈服拉伸强度	1300 psi	8.7 MPa	ASTM D882
TD 屈服拉伸强度	1400 psi	9.5 MPa	ASTM D882
MD 断裂拉伸强度	8500 psi	60 MPa	ASTM D882
TD 断裂拉伸强度	8600 psi	60 MPa	ASTM D882
MD 断裂伸长率	390 %	390 %	ASTM D882
TD 断裂伸长率	710 %	710 %	ASTM D882
割线模量 MD - 1% 正割	24000 psi	160 MPa	ASTM D882
割线模量 TD - 1% 正割	29000 psi	200 MPa	ASTM D882
落锤冲击 ²	510 g	510 g	ASTM D1709
埃尔曼多夫抗撕强度 MD	80 g	80 g	ASTM D1922
埃尔曼多夫抗撕强度 TD	460 g	460 g	ASTM D1922
穿刺力	13 lbf	58 N	ExxonMobil Method
穿刺能	39 in · lb	4.4 J	ExxonMobil Method

光学性能	典型数值 (英制)	典型数值 (公制)	测试方法
光泽度 (45°)	59	59	ASTM D2457
雾度	7.1 %	7.1 %	ASTM D1003

加工说明

Film (1 mil/25.4 micron) made from Exceed™ XP 6056ML on a 2.5 inch blown film line equipped with 2.5:1 blow-up ratio, 30 mil die gap, 18 inch frostline, 407° F melt temperature and 10lbs/die in/hr.