

Exceed™ XP 8784 Series

高性能聚合物

产品说明

Exceed™ XP 8784 is an eXtreme Performance ethylene 1-hexene copolymer that offers step-out toughness and easy processing for a range of blown film applications. The combination of high toughness, easy processing and excellent sealing performance make this a very versatile packaging film resin. TnPP is not intentionally added to Exceed™ XP 8784. Exceed™ XP 8784 - when eXtreme Performance matters.

总览

添加剂	<ul style="list-style-type: none"> Exceed™ XP 8784MK: 开口: 5000 ppm; 爽滑: 1000 ppm; 加工助剂: 是; 热稳定剂: 是 Exceed™ XP 8784ML: 开口: 否; 爽滑: 否; 加工助剂: 是; 热稳定剂: 是
应用	<ul style="list-style-type: none"> Barrier Film Laminated Sacks Sachet 冷冻膜 液体包装

物理性能	典型数值 (英制)	典型数值 (公制)	测试方法
密度	0.914 g/cm ³	0.914 g/cm ³	ASTM D1505
熔融指数 (190° C/2.16 kg)	0.80 g/10 min	0.80 g/10 min	ASTM D1238
熔融峰值温度	250 ° F	121 ° 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	8.6 MPa	ASTM D882
TD 屈服拉伸强度	1400 psi	9.4 MPa	ASTM D882
MD 断裂拉伸强度	9200 psi	60 MPa	ASTM D882
TD 断裂拉伸强度	8000 psi	50 MPa	ASTM D882
MD 断裂伸长率	330 %	330 %	ASTM D882
TD 断裂伸长率	620 %	620 %	ASTM D882
割线模量 MD - 1% 正割	24000 psi	170 MPa	ASTM D882
割线模量 TD - 1% 正割	31000 psi	210 MPa	ASTM D882
落锤冲击	910 g	910 g	ASTM D1709A
埃尔曼多夫抗撕强度 MD	310 g	310 g	ASTM D1922
埃尔曼多夫抗撕强度 TD	460 g	460 g	ASTM D1922
穿刺力	12 lbf	55 N	ExxonMobil Method
穿刺能	37 in · lb	4.2 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°)	34	34	ASTM D2457
雾度	20 %	20 %	ASTM D1003

加工说明

Film (1 mil/25.4 micron) made from Exceed™ XP 8784ML on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 390-410° F (199-210° C), a 90 mil (2.29 mm) die gap at a rate of 15 lbs/hr/in die circumference (2.68 kg/hr/cm).