Plexar® PX3080

线性低密度聚乙烯

LyondellBasell Industries

Technical Data

产品说明
Plexar® tie-layers are chemically modified resins used to bond unlike materials, primarily in packaging and industrial applications. Common adherents include polyethylene resins and copolymers, such as EVA or EMA, polypropylene, polyamide (nylon), ethylene vinyl alcohol copolymers (EVOH), ionomer and other sealants, polyethylene terephthalate (PET) resins and copolymers, styrenic polymers, metal, paper and many others. Product grades tailored for blown and cast films, sheet and thermoforming, blow molding, extrusion coating and lamination, tubing, pipe, spray coating and other specialty applications are available in pellet form.

总体			
用途	• 包装	• 薄膜	• 工业应用
机构评级	• FDA 21 CFR 175.105		
形式	• 粒子		
加工方法	• 薄膜挤出	• 吹塑薄膜	• 挤出

物理性能	额定值 (英制)	额定值 (公制)	测试方法
密度	0.910 g/cm³	0.910 g/cm³	ASTM D1505
熔流率（熔体流动速率）(190°C/2.16 kg)	1.8 g/10 min	1.8 g/10 min	ASTM D1238
薄膜	**额定值 (英制)**	**额定值 (公制)**	**测试方法**
薄膜厚度 - 经测试	2.0 mil	51 µm	
抗张强度			ASTM D882
MD : 屈服, 2.0 mil (51 µm), 吹塑薄膜	1280 psi	8.80 MPa	
TD : 屈服, 2.0 mil (51 µm), 吹塑薄膜	1410 psi	9.70 MPa	
MD : 断裂, 2.0 mil (51 µm), 吹塑薄膜	3310 psi	22.8 MPa	
TD : 断裂, 2.0 mil (51 µm), 吹塑薄膜	3220 psi	22.2 MPa	
伸长率			ASTM D882
MD : 屈服, 2.0 mil (51 µm), 吹塑薄膜	16 %	16 %	
TD : 屈服, 2.0 mil (51 µm), 吹塑薄膜	7.0 %	7.0 %	
MD : 断裂, 2.0 mil (51 µm), 吹塑薄膜	790 %	790 %	
TD : 断裂, 2.0 mil (51 µm), 吹塑薄膜	800 %	800 %	
埃尔曼多夫抗撕强度			ASTM D1922
MD : 2.0 mil (51 µm), 吹塑薄膜	840 g	840 g	
TD : 2.0 mil (51 µm), 吹塑薄膜	1300 g	1300 g	
水气透过率 (100% RH, 2.0 mil (51 µm), 吹塑薄膜)	0.57 g/100 in²/24 hr	8.9 g/m²/24 hr	ASTM F372
热性能	**额定值 (英制)**	**额定值 (公制)**	**测试方法**
维卡软化温度	208 °F	98.0 °C	ASTM D1525

挤出	额定值 (英制)	额定值 (公制)
熔体温度	> 410 °F	> 210 °C