

Polybutene-1 PB 8640M

聚丁烯

LyondellBasell Industries

Technical Data

产品说明

Polybutene-1 (PB-1) grade Toppyl PB 8640M is a random copolymer of butene-1 with low ethylene content.

In blends with PE polymers it forms a separate but well-dispersed phase. Its primary use is as a minority blend component in the seal layer of easy-opening packaging films, produced by blown film extrusion. A typical PE blend partner forToppyl PB 8640M could be any ethylene homo-or copolymer in the melt index range of 0.7 to 2.0 g/10min.

Toppyl PB 8640M is also highly compatible with polypropylene due to its similar molecular structure, and it can be used to modify PP sealing behavior or mechanical properties such as impact strength. PB-1 crystallizes slowly and is very shear sensitive in its flow behavior.

总览			
特性	• 光学性能 • 良好的感官特征	• 良好的加工性能 • 良好的热封性	• 无规共聚物
用途	• Flexible Packaging • 薄膜 • 袋子	• 混合 • 离型薄膜 • 密封件	• 塑料改性 • 小袋 - 软包装 • 硬包装
形式	• 粒子		
加工方法	• 吹塑薄膜	• 挤出	• 流延薄膜

物理性能	额定值	单位制	测试方法
密度	0.906 g/cm³		ISO 1183
熔流率 (熔体流动速率)			ISO 1133
190°C/10.0 kg	28 g/10 min		
190°C/2.16 kg	1.0 g/10 min		
机械性能	额定值	单位制	测试方法
拉伸应力 (断裂)	30.0 MPa		ISO 527-2
拉伸应变 (断裂)	300 %		ISO 527-2
弯曲模量	250 MPa		ISO 178
热性能	额定值	单位制	测试方法
结晶峰温			ISO 11357-3
-- 3	97 °C		
-- 4	113 °C		
挤出	额定值	单位制	
熔体温度	180 到 200 °C		

挤压说明

Recommended processing temperatures: 180°C to 200°C. In cases were higher temperatures are required please contact your appropriate technical contact for support.

备注

¹ 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。

² 一般属性：这些不能被视为规格。

³ Tm2
Tm2 corresponds with the melting point of crystalline form 2 which is measured immediately after solidification.
Tm2 corresponds with the melting point available for each batch on the Certificate of Analysis (COA).

⁴ Tm1