

# PBT熔喷材料

PBT Melt-blown for Liquid Filter Media

PBT是聚对苯二甲酸丁二醇酯 (Polybutylene Terephthalate) 的简称, 属于热塑性聚酯树脂。

公司协同上下游伙伴联合研发了PBT过滤材料, 该材料广泛应用于柴油及生物柴油的杂质过滤与水分分离领域。产品具备宽泛的过滤精度范围, 纳污性能强劲, 可与木浆、支撑网等多种材料实现复合成型, 最终制成使用寿命长的复合型过滤材料, 能够充分满足多场景下的应用需求。

PBT is the abbreviation of Polybutylene Terephthalate, which is a type of thermoplastic resin. The company, in collaboration with its upstream and downstream partners, jointly developed PBT filter material. This material is widely used in the mechanism filtration and water separation of diesel and biodiesel. The product has a wide range of filtration accuracy and strong pollutant absorption capacity. It can be combined and formed with various materials such as wood pulp and support nets, ultimately resulting in a long-lasting composite filter material that can fully meet the application requirements in multiple scenarios.



## PBT熔喷材料技术参数表

Technical Parameter Table for PBT Melt-Blown Materials

规格型号 Type	复保护层 W/O Scrims	克重 Basis Weight (g/m <sup>2</sup> )	透风量 Air Permeability (L/m <sup>2</sup> /s) @200Pa	*>4μm效率 Efficiency(%)	*Beta100 μm	*纳污量 Dust holding Capacity(g/m <sup>2</sup> )
LM-AP200/PB20	Without	20±10%	170~230	90	6	140
LM-AP400/PB20	Without	20±10%	360~440	70	10	130
LM-AP100/PB40	Without	40±10%	80~120	90	6	140
LM-AP180/PB40	Without	40±10%	150~210	80	8	130
LM-AP240/PB50	Without	50±10%	210~270	65	11	180
LM-AP360/PB3020	With	50±10%	330~390	60	13	120
LM-AP240/PB5020	With	70±10%	220~260	65	11	180

\* ISO 19438多通测试结果

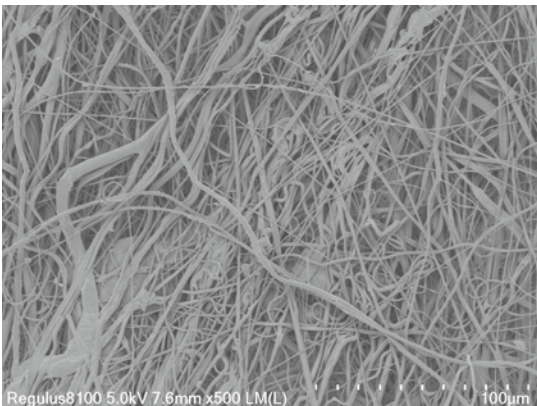
## 应用实例

Applications

多通测试数据 Multipass Test Results\_ISO19438

应用 Applications	整体效率(在指定um下) Overall Efficiency(% at specified um)									纳污量 Dust holding Capacity (g/m <sup>2</sup> )
	4um	5um	6um	7um	8um	9um	10um	12um	15um	
PBT熔喷+木浆(精滤) PBT Melt blown + cellulose (Fine Filtration)	99	99.9	100	100	100	100	100	100	100	150
PBT熔喷+木浆(粗滤) PBT Melt blown + cellulose (Coarse Filtration)	85	90	95	98	99	99	99	100	100	170

测试条件: 测试流量=0.7L/min, 最终净压力=70kPa Test Condition: Test flow=0.7L/min, dp=70kPa



- 100% 采用进口PBT聚合物原料, 具有低 IV 值和其他稳定特性  
100% imported PBT polymer, with lower IV and other stable properties.
- 耐热性能优异(耐180°C)、耐油、耐化学腐蚀  
Excellent heat resistance (up to 180°C), strong resistance to oil, chemical corrosion protection.
- 可广泛应用于燃油过滤材料的复合, 获得高纳污量, 优异的水分分离性能  
It can be widely applied in the compounding of fuel filtration materials, achieving high dust holding capacity and excellent oil-water separation properties.