



产品技术说明书

Product Technical Specification

Betopp® 聚烯烃弹性体 (POE) PV7045/PV7200

	产品概况 Overview	
	牌号介绍 Product Grades Description	PV7045/PV7200 是以乙烯和1-丁烯为原料的聚烯烃弹性体，体积电阻率高、透光率高、性能稳定，适用于光伏胶膜。 PV7045/PV7200 is a polyolefin elastomer (POE) made from ethylene and 1-butene,with high volume resistivity,high transmittance,and stable performance,suitable for photovoltaic film.
	厂家 Manufacturer	贝欧亿 (山东) 新材料有限公司 BeyondPoly (Shandong) New Materials Co.,Ltd.
	类别 Category	聚烯烃弹性体 POE
	材料状态 Material Status	已商用, 当前有效 Commercially available,currently valid
	产品形式 Product Form	粒子 Particle
	产地 Origin	中国 China

产品技术参数 Product Technical Parameters

项 目 Item	PV7045 典型值 Typical Value	PV7200 典型值 Typical Value	测试方法 Test Method
物理性能 (单位) Physical Property(Unit)			
熔体质量流动速率 Melt Mass-Flow Rate (g/10min)	5.00	14.0	GB/T 3682.1
密度 Density (g/cm³)	0.872	0.872	GB/T 1033.1
机械性能 (单位) Mechanical Properties (Unit)			
邵氏硬度 A Shore Hardness A (I)	72	72	GB/T 2411
拉伸断裂应变 Tensile Strain At Break (%)	800	800	GB/T 1040.3
拉伸断裂应力 Tensile Stress At Break (MPa)	3.00	3.00	GB/T 1040.3
热性能 (单位) Thermal Properties (Unit)			
熔融温度 Melting Temperature (°C)	63	64	GB/T 19466.3
玻璃化转变温度 Glass Transition Temperature (°C)	-46	-46	GB/T 19466.2
光电性能 (单位) Photoelectric Properties (Unit)			
体积电阻率 Volume Resistivity (Ω·cm)	10^16	10^16	GB/T 31838.2
透光率 Transmittance (%)	91	91	GB/T 2410

产品安全性 Safety

本产品为固体高分子聚合物，性能稳定，对人体、动物、植物及生态环境无害。
This product is a solid polymer with stable performance,and is safe to humans,animals,plants,and ecosystems.

产品保质期 Shelf Life

自生产之日起，保质期为 12 个月。 The shelf life is 12 months from the date of production.

运输条件 Transportation Conditions

本产品运输前必须进行必要的防护，严禁在运输途中将本产品直接暴露于阳光和潮湿的环境下，防止污染。
Necessary protective measures must be implemented prior to the transportation of this product. It is strictly prohibited to expose the product directly to sunlight or humid environments during transit to prevent contamination.

储存条件 Storage Conditions

本产品必须存放于环境温度在0°C至35°C之间的室内，严禁将本产品直接暴露于阳光直射、热源、水汽、化学物质和灰尘的环境中。
This product must be stored indoors in an environment where the temperature is maintained between 0°C and 35°C. Direct exposure to sunlight,heat sources,moisture,chemical substances,and dust is strictly prohibited.

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