



产品规格书

Product Datasheet

产品名称 Description	亚克力乳白扩散板 PMMA Diffuser	
产品编号 Model No.	JK-76	
版本号 Version #	00	
江门市坤鑫新材料科技有限公司 Jiangmen Kunxin New Material Technology CO.,LTD www.chinaacrylicsheet.com		
制定 Originator	审核 Checked by	批准 Approved by



1. 产品描述 Product Description

[亚克力扩散板](#)，板材呈一面磨砂面，一面光滑面，板材以光学级 PMMA 颗粒为基材，采用先进的光学设计及扩散材料，经过科学配方加工，使光线在化学颗粒和树脂之间不断折射、反射和散射，让光源柔和的表达出来的效果，适用于 LED 面板灯和筒灯。

PMMA Diffuser, one side of the panel is frosting surface, and the other side is smooth surface. The panel is produced with Optical grade PMMA as the raw material, used the advanced optical design and diffusion materials, scientific formula processing, then the light can refraction, reflection and scattering in the chemistry particles and resin continuously. The panel makes the light source comes into soft effective, is suitable for LED panel luminaires and Recessed luminaires.





2. 产品简图 Product Photograph:



3. 产品组成 Product Ingredient:

产品成份 Ingredients:
1. 聚甲基丙烯酸甲酯 (PMMA), 扩散剂 (Diffusant)
2. PE 保护膜保护(PE protection film)



4. 产品性能 Characteristics

1) 产品材料特性 Material characteristics

项目 Item	试验法 Test Method	单位 Unit	亚克力板 PMMA
透光率 transmission rate	透光度计 Transmissometer	%	80%
雾度 Haze	透光度计 Transmissometer	%	94%
吸水率 water adsorption	ASTM D570-98	%	0.3
热变形温度 distortion temperature	ASTM D648-07	°C	88.0
维卡软化温度 vicat softening temperature	ASTM D1525-09	°C	104.0
线膨胀系数 linear expansivity	ASTMD696	cm/°C	7.8*10 ⁻⁵ cm
热传导率 Thermal conductivity	ASTMD177	cm*sec°C	4.5*10 ⁻⁴ Cal
洛氏硬度 (HRR)	ASTM D785-08	-	123
燃烧性 flammability	UL 94-1996		可燃性 flammability

2) 结构尺寸 Dimension

尺寸 Dimension (L×W×T)		
长 (L)	宽 (W)	厚 (T)
1200mm	1200mm	1.2/1.5/2.0/3.0mm
注：可根据客户不同模具需求，开好需要尺寸。 Note: according to customer demand for different mold, build the required size		



3) 温度范围 temperature range

- A. 储藏温度 storage temperature: $25^{\circ}\text{C}\pm 10$ 。
- B. 长期使用环境温度 Long term use environment temperature: $0\sim 80^{\circ}\text{C}$
- C. 空气相对湿度 relative air humidity: $45\%\sim 75\%$ 。