

Furukawa - Microcellular Reflective Sheet

MCPET-M4 1mm

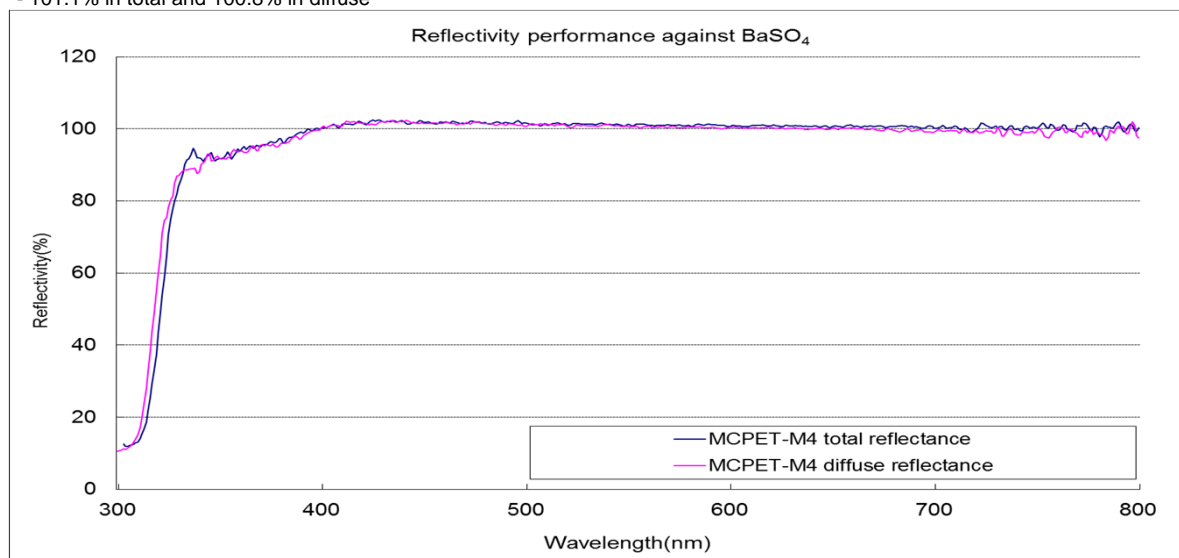
drawn	approved
MC 营技 2014/12/15 森塚	MC 2014/12/16 梅村

***Thickness**

- 1.00mm

***Reflective performance at 550nm**

- 101.1% in total and 100.8% in diffuse



***Processing method**

Cutting - Die cut or laser Cut are available

Molding - Matched molding with male/female tooling is recommended.

Overview	Thickness		mm	1
	¹⁾ Reflectivity	Total Reflectivity	%	101.1
		Diffuse Reflectivity	%	100.8
	Surface specific resistivity		Ω	10 ¹⁴
	Processing	Cutting	fine	
		Molding	marginal(under special condition)	

Note1) Reflectivity is relative against barium sulfate at 550nm.

Note2) This product has no anti-UV protection. Do not expose this product to UV rays.

MCPET-M4 1mmt

Base material			Polyethylene terephthalate			
Thickness			mm	1		
Properties	Test item		Direction	Unit	Value	Test standard
	Density		-	kg/m3	265	JIS K 6767
	Optical properties	Total	-	%	101.1	Relative value against BaSO4
		Diffuse	-	%	100.8	
	Mechanical properties	Tensile strength	MD	Mpa	17	JIS K 6767
			TD		15	
		Elongation	MD	%	70	JIS K 6767
			TD		70	
		Tear strength	MD	N/cm	613	JIS K 6767
			TD		719	
		Flexural Strength	MD	Mpa	10	JIS K 7221-2
			TD		9	
		Flexural Modulus	MD	Mpa	332	JIS K 7171
			TD		264	
	Electrical properties	Surface specific resistivity		Ω	10 ¹⁴	
	Thermal properties	Ave. linear expansion (30-70°C)	MD	°C ⁻¹	3.5X10-5	JIS K 7197 (30-70°C)
TD			4.6X10-5			
Thermal deformation (100°C × 12.5hrs)		MD	%	-0.51		
	TD	-0.42				
GWFI			°C	750	IEC60695-2-11	
Environmental suitability	RoHS complianced					
	Halogen free					
	Recyclable					
Sheet size	600X1200, 600X1500					

*All the data on this page is not guaranteed, just for the reference.