

Furukawa - Microcellular Reflective Sheet

MCPET-M4 0.5mm

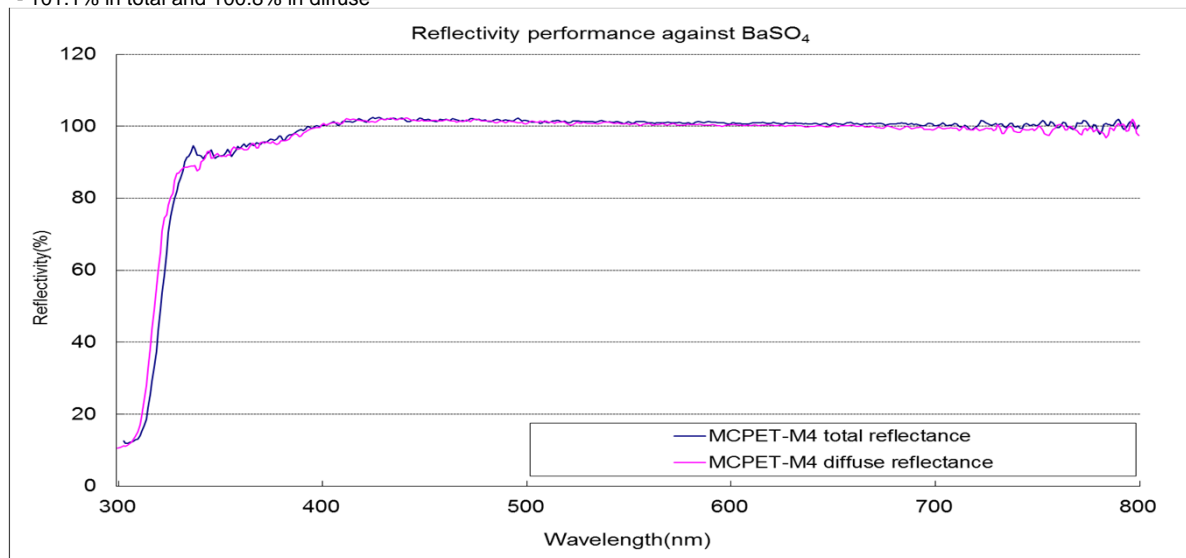
drawn	approved
MC 宮技 2014/12/15 森塚	MC 2014/12/16 梅村

*Thickness

- 0.5mm

*Reflective performance at 550nm

- 101.1% in total and 100.8% in diffuse



*Processing method

Cutting - Die cut and Laser Cut are available

Overview	Thickness		mm	0.5
	¹ Reflectivity	Total Reflectivity	%	101.1
		Diffuse Reflectivity	%	100.8
	² Surface specific resistivity		Ω	10 ¹⁴
	Processing	Cutting	fine	
		Molding	impractical	

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 0.5mmt

Base material				Polyethylene terephthalate		
Thickness				mm	0.5	
Properties	Test item		Direction	Unit	Value	Test standard
	Density		-	kg/m3	390	JIS K 6767
	Optical properties	Total	-	%	101.1	Relative value against BaS04
		Diffuse	-	%	100.8	
	Mechanical properties	Tensile strength	MD	Mpa	21	JIS K 6767
			TD		18	
		Elongation	MD	%	70	JIS K 6767
			TD		70	
		Tear strength	MD	N/cm	616	JIS K 6767
			TD		643	
		Flexural Strength	MD	Mpa	8	JIS K 7221-2
			TD		7	
		Flexural Modulus	MD	Mpa	775	JIS K 7171
			TD		373	
	Electrical properties	Surface specific resistivity		Ω	10 ¹⁴	
	Thermal properties	Ave. linear expansion (30-70℃)	MD	℃ ⁻¹	4.0X10-5	JIS K 7197 (30-70℃)
			TD		5.1X10-5	
		Thermal deformation (100℃ × 12.5hrs)	MD	%	-0.41	
			TD		-0.22	
	GWFI				℃	850
Environmental suitability	RoHS complianced					
	Halogen free					
	Recyclable					
Sheet size	600X1200, 600X1500					

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