

omay® SC42B

PP Film

Suzhou OMAY Optical Materials Co., Ltd

Message:

Black, Velvet/Matte
Environmental, excellent flame retardance, excellent insulating

General Information			
Features	Environmentally Sound		
	Flame Retardant		
Appearance	Black		
	Matte Finish		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	30.0	MPa	ISO 527-2
Tensile Strain (Break)	> 100	%	ISO 527-2
Films	Nominal Value	Unit	Test Method
Elmendorf Tear Strength - MD	27	g	ASTM D1922
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (3.20 mm)	80.0	J/m	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength (23°C, 0.250 mm, in Oil)	0.87	kV/mm	ASTM D149
Dielectric Constant	2.30		ASTM D150
Dissipation Factor (1 MHz)	1.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
> 0.375 mm	V-0		
< 0.250 mm	VTM-0		
Additional Information	Nominal Value	Unit	Test Method

Breakdown Voltage		ASTM D149
125.0 μm	10000	V
250.0 μm	21000	V
500.0 μm	28000	V
1.00 mm	39000	V

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