

omay® V42

PC Film
Suzhou OMAY Optical Materials Co., Ltd

Message:

Velvet/Matte
Environmental, excellent flame retardance, excellent insulating

General Information			
Features	Environmentally Sound		
	Flame Retardant		
UL File Number	E249605		
Appearance	Matte Finish		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage - Flow (150°C)	0.50 to 0.70	%	ASTM D1204
Surface Tension	> 38	mN/m	
Pencil Hardness	2B - B		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	65.0	MPa	ISO 527-2
Tensile Strain (Break)	> 100	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	91.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	153	°C	ISO 11357-2
Vicat Softening Temperature	156	°C	ISO 11357
CLTE - Flow	5.8E-5	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.20	W/m/K	ASTM D5470
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Dielectric Strength	30	kV/mm	ASTM D149
Comparative Tracking Index (CTI)	PLC 3		UL 746
Flammability	Nominal Value	Unit	Test Method
	VTM-2		
Flame Rating	VTM-0		UL 94

Optical	Nominal Value	Unit	Test Method
Transmittance	86.0	%	ASTM D1003
Haze	93	%	ASTM D1003

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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