

SCHULABLEND® (PMMA/PC) M/MP K6001 V1

TIEFSCHWARZ

Polycarbonate + Acrylic (PMMA)

A. Schulman Europe

Message:

PMMA/PC Alloy. Injection molding grade with excellent UV-stability, high impact strength and high scratch resistance

General Information			
Processing Method	Injection molding		
Resin ID (ISO 1043)	PMMA+PC		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	18.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/10)	95.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	48.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.4	%	ISO 527-2/1A/50
Flexural Modulus ¹	1850	MPa	ISO 178
Flexural Stress ²			ISO 178
3.5% strain	52.0	MPa	ISO 178
6.5% strain	64.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	1.0	kJ/m²	ISO 179/1eA
-20°C	1.0	kJ/m²	ISO 179/1eA
23°C	7.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	20	kJ/m²	ISO 179/1eU
-20°C	26	kJ/m²	ISO 179/1eU
23°C	80	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	725	°C	IEC 60695-2-12

3.00 mm	725	°C	IEC 60695-2-12
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Additional Information

1.)

Not for use in food contact applications2.)

Not for use in medical or pharmaceutical applications

NOTE

1.	2.0 mm/min
2.	2.0 mm/min

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