



KASIGLAS discharge KASI®-AS PMMA Antistatic Coating for PMMA

Chafe resistant special coating for polymethylmethacrylate providing effective protection against electrostatic charging and preventing attraction of dust and dirt

Typical properties

Revision: 02/13		Standard	Dimension	KASI®- AS PMMA
General Properties				
Bulk density	*	DIN EN ISO 1183	g/cm ³	1,19
Surface resistance		ASTM D257	Ω	10 ⁴ -10 ⁷
Mechanical Properties				
Tensile strength	*	DIN EN ISO 527	MPa	75
Elongation at tear	*	DIN EN ISO 527	%	104,5
Modulus of elasticity	*	DIN EN ISO 527	MPa	3300
Impact resistance	*	DIN EN ISO 179	kJ/m ²	12
Chafe resistance (Chafe-Test; load 59 g/cm ² ; D=3mm)		following DIN 53778	% Δ-Haze	≤ 1
Thermal Properties				
Vicat diluting temperature VST/B 50	*	DIN EN ISO 306	°C	115
Constancy temperature HDT/A (1,8 N/mm ²)	*	DIN EN ISO 75	°C	100
Temperature of permanent use	*	DIN 53446	°C	80
Linear coefficient of cubical thermal expansion (α) 0 – 50 °C	*	DIN 53752	K ⁻¹	70 x 10 ⁻⁶
Heat conductivity (λ)	*	DIN 52612	W/mK	0,19
Specific heat (c)	*		J/gK	1,47
Optical Properties				
Colour				slightly blue
Transparency 380-780 nm D = 3 mm		DIN 5036	%	>70
Haze D= 3mm		ASTM D1003	%	<5
Special Properties				
Fire behavior	*	DIN 4102	Fire classification	B 2

