

KASI-AS antistatic coating for PC

Special coating for polycarbonate providing effective protection against electrostatic charging and preventing attraction of dust and dirt.

Typical properties

	Standard	Dimension	KASI-AS
General properties			
Bulk density	ISO 1183	g/cm ³	1,2
Surface resistance	ASTM D257	Ω	10 ⁴ -10 ⁸
Mechanical characteristics			
Tensile strength*	ISO 527	MPa	60
Elongation at tear*	ISO 527	%	110
Modulus of elasticity*	ISO 527	MPa	2200
Impact resistance	ISO 179	kJ/m ²	not broken
Thermal characteristics			
Vicat diluting temperature VST/B 50	ISO 306	°C	150
Constancy temperature HDT/A (1,8 N/mm ²)	ISO 75	°C	135
Temperature of permanent use	DIN 53446	°C	115
Linear coefficient of cubical thermal expansion (α) 0 - 50 °C	DIN 53752	K ⁻¹	65 x 10 ⁻⁶
Heat conductivity (λ)	DIN 52612	W/mK	0,21
Specific heat (c)		J/gK	1,3
Optical characteristics			
Colour			slightly blue
Transparency 380-780 nm D = 3 mm	DIN 5036	%	>75
Chamfer angle*	DIN 52305	Bg'	<5
Refractive power*	DIN 52305	dpt	<0,1
Damp reflection index	ASTM D1003	%	<5

*The information applies to the carrier material.