

## KASI®-AS DUR Antistatic coating for PC

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

### Typical properties

Revision: 09/04	Standard	Dimension	KASI®-AS DUR
<b>General properties</b>			
Bulk density	ISO 1183	g/cm <sup>3</sup>	1,2
Surface resistance 24h, 23°C	ASTM D257	Ω	10 <sup>4</sup> -10 <sup>8</sup>
<b>Mechanical characteristics</b>			
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 <sup>2</sup>	not broken
Scrub resistance (Scrubbing test instrument; following Load 59 g/cm <sup>2</sup> ; D = 3 mm)	ISO 9352	% Haze	≤1
<b>Thermal characteristics</b>			
Vicat diluting temperature VST/B 50	ISO 306	°C	150
Constancy temperature HDT/A (1,8 N/mm <sup>2</sup> )	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 <sup>-1</sup>	65 x 10 <sup>-6</sup>
Heat conductivity (λ)	DIN 52612	W/mK	0,21
Specific heat (c)		J/gK	1,3
<b>Optical characteristics</b>			
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
Haze	ASTM D1003	%	<5
<b>Special characteristics</b>			
Behaviour in fire	DIN 4102	Fire classification	B2

\*The information applies to the carrier material.