

**AKRYLON<sup>®</sup> HC**

**MECHANICAL**

Property	Method	Unit	AKRYLON <sup>®</sup> HC
Tensile modulus	ISO 527-2	MPa	3400
Tensile strength	ISO 527-2	MPa	65
Charpy impact strength, unnotched	ISO 179-1/1eU	kJ/m <sup>2</sup>	10
Ball indentation hardness	ISO 2039-1	MPa	235

**OPTICAL**

Light transmission (3 mm)	ISO 13468-2	%	92
Taber D haze (500 cycles)	ASTM D 1003	% Haze	< 3
Adhesion	ISO 2409	-	GT 0
Adhesion after immersion in water 1 h at 80 °C 10 d at 65°C	ISO 2409	-	GT 0 GT 0

**THERMAL**

Vicat temperature (B 50)	EN ISO 306	°C	105
Linear thermal expansion	ISO 11359-2	mm/m x °C	0.07
Service temperature continuous use	-	°C	70
Max. temperature short term use	-	°C	90
Degradation temperature	-	°C	> 280
Reaction to fire	EN 13501	-	E



**ELEKTRICAL**

Surface resistivity	IEC 62631-3-2	Ω	10 <sup>15</sup>
Volume resistivity	IEC 62631-3-1	Ω m	10 <sup>13</sup>

Note: Technical data of our products are typical ones. The actually measured values are subject to production variations.

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