

CRYLON UVT


GENERAL			
Property	Method	Unit	CRYLON® UVT
Density	DIN EN ISO 1183	g/cm ³	1,19
Water absorption 24h/23°C – 50x50x4mm ³	DIN EN ISO 62 – Method 1	%	0,2
MECHANICAL			
Property	Method	Unit	CRYLON® UVT
Tensile strength	DIN EN ISO 527-2	MPa	70
Tensile modulus	DIN EN ISO 527-2	MPa	3100
Flexural strength	DIN EN ISO 178	MPa	110
Flexural modulus	DIN EN ISO 178	MPa	3000
Impact strength Charpy	DIN EN ISO 179-1	kJ/m ²	15
OPTICAL			
Property	Method	Unit	CRYLON® UVT
Light transmission (3 mm)	DIN 5036-3 / DIN EN ISO 13468-2	%	92
Refractive index	DIN EN ISO 489	n _D ²⁰	1,492
THERMAL			
Property	Method	Unit	CRYLON® UVT
Vicat temperature (B 50) Pre-treatment 16h at 80°C	DIN EN ISO 306	°C	105
Specific heat capacity	DIN EN ISO 11357-4	J/gK	1,47
Linear thermal expansion	DIN 53752 ISO 11359-2	mm/m x °C	0,07
Thermal conductivity	DIN 52612 DIN EN ISO 22007-1	W/mK	0,18

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Service temperature continuous use		°C	70
Max. temperature short term use		°C	90

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