

Technical Datasheet

Material	<u>Radilon BGV 30 natural</u>			
	Method	Unit	Value	Test-Conditions
Mechanical Characteristics				
Modulus of elasticity (tensile test)	ISO 527-2/1A	Mpa	10000 6000	DAM Test speed: 1 mm/min conditioned
Tensile yield strength	ISO 527-2/1A	MPa	175 110	DAM Test speed: 5 mm/min conditioned
Ultimate elongation	ISO 527-2/1A	%	3 5	DAM Test speed: 5 mm/min conditioned
Modulus of elasticity Flexural strength	ISO 178	MPa	/	DAM Test speed: 2 mm/min
Flexural strength	ISO 178	MPa	/	DAM Test speed: 2 mm/min
Impact strength Charpy	ISO 179/1 eU 23°C	KJ/m ²	90 110	DAM conditioned
	ISO 179/1 eU -30°C	KJ/m ²	80	DAM
Impact strength notched Charpy	ISO 179/1 eA	KJ/m ²	14	DAM
Thermal Characteristics				
Melting temperature	ISO 3146/C2	°C	220	Heating rate: 10°C/min
Burning behaviour				
Fire protection class	UL 94	/	HB	
Glow-wire test	VDE 0471 1/2	mm / °C	/	
Other Characteristics				
Water absorption	ISO 62	%	2,1±0,3	Saturation 23°C, 50% relative humidity Thickness: 1 mm
Density	ISO 1183	g/cm ³	1,37	
DAM = dry as moulded				
<p>The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve from the responsibility of carrying out own tests and experiments. Any legally binding assurance of certain properties or suitability of a specific purpose cannot be implied from our information. Proprietary rights and existing laws and legislation are to be observed in own responsibility.</p>				
Datum: 07/02/06				