



BD7778XRU999

DURELASTIC-Laminating Resin

Product description

Product technology Cobalt pre-accelerated

General product properties

Binder-Base	unsaturated polyester resin, styrene containing	
Colour	colorless	
Viscosity	2000 - 2500 mPa*s	
Density	1,1 +/- 0,1 g/ml	theoretical
Solid mass	64 - 68 %	theoretical
Resistance to storage	<p>approx. 4 month in original packagings at an ambient temperature of 5 to 25 °C. Open packages are to be used within a short time.</p> <p>The minimum storage stability of each batch is stated on the product label. The material does not necessarily become unusable if stored for longer than this period. However, for quality assurance purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.</p> <p>As the time in storage increases, the gelling and curing times can change. The original gelling time can be adjusted by adding accelerators (e.g. BD7550).</p>	

Application and processing

Tool/mould	<p>Separating film</p> <p>GRP types (of glass fibre-reinforced plastic)</p> <p>Metal molds</p>
Pretreatment	Treat moulds with suitable separating agents.
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).
Mixin ratio	<p>Resin : Accelerator : Hardener</p> <p>Parts by weight 100 : 0,2 - 1,0 : 2</p>
Thinning	EFD dilution 400900
Processing conditions	During processing, a room, material and mould temperature of [Variable] °C must be guaranteed in order to prevent hardening problems and cracking.
Processing time	<p>max. 8 min. / 20 °C</p> <p>With the addition of 1,0 % BD7550</p>
Application	as delivered viscosity.
Cleaning of equipment	with EFD cleaning agent 400906 within the processing time.



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Mechanical tests

mechanical properties	Barcol hardness 934-1	>45	DIN EN 59
	Tg	80 - 90 °C	DIN EN 61006
	E-module	4 - 5 MPa	DIN EN ISO 178
	Tensile strength	45 - 55 MPa	DIN EN ISO 527-2
	This information refers to the cured, unreinforced pure resin.		

Comments

Work-and Healthprotection	The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health and Safety at Work and environmental protection can be found in the corresponding safety data sheet.
Test conditions	All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge an experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information. The information provided here contains reference values and does not constitute a specification.