

Technický datový list

Durostone[®] PMP 334

GFK-UP

Vlastnosti produktu

- Good mechanical properties
- Electrically insulating
- Polyester (UP) resin matrix reinforced by fiberglass

Typické oblasti použití

- Výroba vozidel
- Železniční technika a kolejová vozidla

	Testovací metoda	Jednotka	Orientační hodnota
Obecné vlastnosti			
Standardní barva			Grey
Mechanické vlastnosti			
Pevnost v ohybu [⊥]	ISO 178	MPa	165
Modul pružnosti v ohybu, v příčném směru	ISO 178	MPa	12000
Pevnost v tlaku [⊥]	ISO 604	MPa	258
Pevnost v tahu II	ISO 527	MPa	70
Modul pružnosti v tahu	DIN EN ISO 527	MPa	11000
Vrubová houževnatost	DIN EN ISO 179	kJ / m ²	80
Tepelné vlastnosti			
Railway classification	EN 45545-2		R1-R2-R6-R7-R17 / HL2
Limit oxygen index	EN ISO 4589-2	%	44
Hořlavost	IEC 60707	/	V0/3mm
Požární zkouška, třída	NF P 92-501	/	M1
Fyzikální vlastnosti			
Smrštění	ISO 2577	%	0.03
Hustota	ISO 1183	g / cm ³	1.88
Obsah skla	ISO 1172	%	27
Absorpce vody	ISO 62	%	0.3
Dielektrické vlastnosti			
Elektrická pevnost 90 °C v olejové lázni [⊥]	IEC 60243	kV / mm	>10

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	Testovací metoda	Jednotka	Orientační hodnota
Měrný povrchový odpor	IEC 60093	Ω	10^{13}
Měrný objemový odpor	IEC 60093	$\Omega \times \text{cm}$	10^{14}
Srovnávací sledovací index	IEC 60112	CTI	600

⊥ = perpendicular to the lamination

|| = parallel to the lamination

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