

Technical data PREGNIT GGBE-R

Applications

PREGNIT GGBE-R from KREMPEL is used as slot side-filling material in the stator of high voltage electric machines. It ensures dependable electrical contact between the electrically conducting corona protection of the winding bars and the slot wall, and it provides optimum compensation for slot tolerances.

Thermal Class 155 (Class F) according to IEC 60085

Type	Nominal thickness mm	Resin system -	Area weight g/m ²	Standard format Approx. mm x mm	Surface resistance kΩ/□	Specific volume resistivity kΩ · cm
PREGNIT GGBE 0,20-R	0,20 ±0,04	Epoxy	360 ± 40	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 0,25-R	0,25 ±0,05	Epoxy	450 ± 50	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 0,30-R	0,30 ±0,06	Epoxy	540 ± 60	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 0,35-R	0,35 ±0,07	Epoxy	630 ± 70	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 0,40-R	0,40 ±0,08	Epoxy	720 ± 80	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 0,50-R	0,50 ±0,12	Epoxy	900 ± 100	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 0,70-R	0,70 ±0,16	Epoxy	1260 ± 140	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 0,80-R	0,80 ±0,17	Epoxy	1440 ± 170	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 1,00-R	1,0 ±0,18	Epoxy	1800 ± 200	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 1,50-R	1,5 ±0,24	Epoxy	2700 ± 300	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 2,00-R	2,0 ±0,28	Epoxy	3600 ± 400	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 3,00-R	3,0 ±0,37	Epoxy	5400 ± 600	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 4,00-R	4,0 ±0,45	Epoxy	7200 ± 800	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 5,00-R	5,0 ±0,53	Epoxy	9000 ± 1000	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 8,00-R	8,0 ±0,72	Epoxy	14400 ± 1440	1000 x 1500*	0,5 - 30	0,5 - 25
PREGNIT GGBE 10,0-R	10,0 ±1,00	Epoxy	18000 ± 1800	1000 x 1500*	0,5 - 30	0,5 - 25

*Other dimension on request

Characteristic values for PREGNIT GGBE-R

Type	Nominal thickness mm	Tensile strength longitudinal N/mm ²	Tensile strength transverse N/mm ²	Flexural strength longitudinal N/mm ²	Flexural strength transverse N/mm ²	Compression strength N/mm ²	Linear coefficient of thermal expansion 1/K
PREGNIT GGBE 0,20-R	0,20	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 0,25-R	0,25	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 0,30-R	0,30	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 0,35-R	0,35	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 0,40-R	0,40	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 0,50-R	0,50	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 0,70-R	0,70	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 0,80-R	0,80	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 1,00-R	1,0	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 1,50-R	1,5	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 2,00-R	2,0	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 3,00-R	3,0	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 4,00-R	4,0	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 5,00-R	5,0	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 8,00-R	8,0	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶
PREGNIT GGBE 10,0-R	10,0	≥ 150	≥ 250	≥ 300	≥ 300	≥ 300	20 · 10 ⁻⁶

All values stated are to be seen as typical values. We reserve the right to introduce changes within the framework of further technical development. We do not accept any obligations or liabilities in respect of this information, Status: 7/2018
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