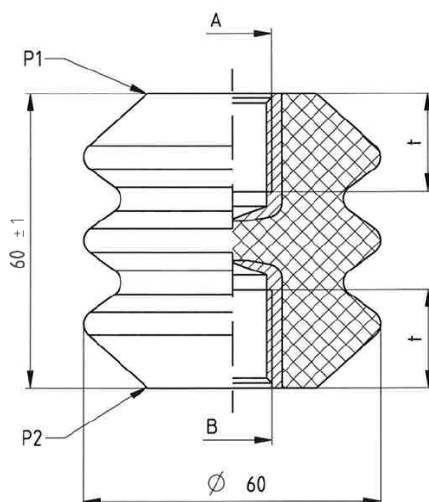


Casting – resin Outdoor Post Insulator
Made with R2 cycloaliphatic resin

I3333EM



Article	number	Type	Color	A x t	B x t	Tensile strength >kN	Failing load bending >kN	Creepage distance (P1-P2) mm	Weight kg/100pcs
I3333EM8-C*	B4708	FSG-M8	Colorless	M8x13	M8x13	15	6,0	85	25,2
I3333EM10-C*	B4424	FSG-M10	Colorless	M10x16	M10x16	20	6,0	85	25,4
I3333EM10	B315	FSG-M10	8016	M10x16	M10x16	20	6,0	85	25,4
I3333EM10M12	B4669	FSG-M10/M12	8016	M10x16	M12x18	20	7,5	85	32,0
I3333EM12 *	B316	FSG-M12	8016	M12x18	M12x18	20	7,5	85	26,3
I3333EM16 *	B317	FSG-M16	8016	M16x20	M16x20	20	10,0	85	26,5

(*) = stock

Prepared date : 14 05 96	-	Client : - Material : EP – R2	- Weight : - kg	BINAMIE 1702 Groot-Bijgaarden Belgium	
Approved date : 21 05 08	-	Client drawing	Shrinkage : - %		
Scale : not to scale	Type			Drawing No : M0129	
General tolerances DIN 16901 130	Casting – Resin – Outdoor Post Insulator Article I3333EM				A4

Mechanical and physical properties of our epoxy resin insulators – TYPE R2

Eigenschaften <i>Characteristics</i>	Norm <i>Standard</i>	Einheit <i>Unit</i>	Wert <i>Value</i>
Dichte <i>Density</i>	ISO 1183-1	g/cm ³	1,9
Zugfestigkeit <i>Tensile strength</i>	ISO 527	MPa	85,1
Biegefestigkeit <i>Bending Strength</i>	ISO 178	MPa	134,8
Schlagzähigkeit <i>Impact strength</i>	ISO 179	kJ/m ²	12,6
Kerbschlagzähigkeit <i>Notch Impact Strength</i>	ISO 179	kJ/m ²	1,5
Glasumwandlungstempe- ratur (Tg) <i>Glass Transition Temperature</i>	ISO 11357- 1 (DSC)	°C	110+/-5
Brandklasse <i>Class of flammability</i>	UL 94	> 12 mm	V1
Wasseraufnahme <i>Water Absorbtion</i>	ISO 62	Gew. % % by wt.	0,026
lin. Wärmeausdehnungskoeff fizient Coeff. of linear thermal expansion	DIN 53752 (20 – 80°C)	K ⁻¹	35-38*10-6
Durchschlagsfestigkeit <i>Electric Strenght</i>	IEC 60243- 1	kV/mm	18-20
Dielektrizitätskonstante (ε _r) <i>Dielectric constant (23°C, 50 Hz)</i>	IEC 60250 (DIN 53483)		4,12
Dielektrischer Verlustfaktor (tanδ) <i>Dissipation Factor (23°C, 50 Hz)</i>	IEC 60250 (DIN 53483)	%	0,0101
Kriechstromfestigkeit <i>Tracking Resistance</i>	IEC 60112	CTI	>600-0.0
Spez. Durchgangswiderstand <i>Spec. Volume Resitivity</i>	IEC 60093	Ohm*cm	8,89E+15
Farbe: ähnlich <i>Colour: similar</i>	RAL		80160

The values shown above are obtained from standard test samples. They form a comparison between different materials under identical testing conditions.

Because of the different methods of manufacturing (vacuum and automatic pressure gelation [APG]) and the subsequence scope of installation of the insulators (indoor and outdoor), various recipes are necessary.

Recipes R1, R39 and R44 are based on aromatic cast epoxy resin and recipe R2 on cycloaliphatic cast epoxy resin for outdoor insulators. All receipts are suitable for use in tropical climate and resistant against termites.