TECHNICAL INFORMATION

Polidiemme® G series

XL Elastomer

crosslinkable elastomeric compounds for W&C applications

padanaplast®
EXCELLENCE IN COMPOUNDING

Polidiemme® G series consists of elastomer based silane crosslinkable compounds for wire and cable sheathing and insulation, curable by addition of a catalyst masterbatch and exposure to moisture (Sioplas® method). Polidiemme® G grades are suggested for rated voltages U0/U up to 3.6/6 kV.

Polidiemme® G series compounds comply with RoHS requirements.

grade	density (g/cm³)	M.F.R. @190°C 2.16 kg (g/10')	shore D hardness	EN 50363-1 EI3	EN 50363-1 EI4	EN 50363-1 EI6	EN 50363-1 EI7	EN 50363-2 EM3	EN 50363-2 EM4	EN 50363-2 EM6	EN 50363-0 G7	Cenelec HD 603 DIH1	Cenelec HD 603 DIH2	Cenelec HD 603 DIH3	BS 7655 RS5	BS 7655 GP4	BS 7655 GP5	BS 7655 GP6	BS 7655 GP7	IEC 60092-360 HEPR	IEC 60092-360 EPR	IEC 60502 HEPR	IEC 60502 EPR	VDE 0207/20 3GI3	description
Polidiemme® G/220	0.90	0.45	26		□		■	□		□	■	■	■	■		■	■	■	■	■	■	■	■	■	standard grade for high modulus insulation of power and signal cable (hard EPR); fair flexibility
Polidiemme® G/400	0.90	0.7	23		■	■	■	■		■		■			□	■	■		■		■		■	■	flexible general grade for insulation and sheathing
Polidiemme® G/420	0.91	1.3	32		□		■	□		□	■	■	■	■		■	■	■	■	■	□	■	□	■	standard grade for high modulus insulation of power and signal cable (hard EPR); for high extrusion speed and small wall thickness
Polidiemme® G/440	0.88	0.8	18		■	■	■	■		■					■	□	□		■		■		■	■	extra-flexible grade for insulation and sheathing
Polidiemme® G/450	0.87	1.1	16	■	■	■	■	■	■	■					■	□	□		■		■		■	■	extra-flexible grade for insulation and sheathing also suitable for high thermo-mechanical performances

■ suggested □ applicable

Verify commercial availability and registration status in each country with local sales representative

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

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