

TECHNICAL DATA SHEET



OPGW Series – 100F

Flooding Compound for OPGW Cables

Thixotropic compound which provides a water blocking and corrosion protection barrier for OPGW cable designs. OPGW-100F has a working temperature range from -50 to +80 °C and exhibits excellent resistance to oxidation for long term stability

Properties	Typical Value	Test Method
Appearance	Amber	Visual
Density, 25°C (g/ml)	0.86	ASTM D1475
Flash Point – Base oil (°C)	≥220	ASTM D92 / ISO 2592
Dropping Point (°C)	≥190	ASTM D566
Cone Penetration, 25°C (dmm)	≥320	ASTM D217 (M) / ISO 2137
Viscosity, 50 1/s, 25°C (Pa.s)	9.4	UNIGEL CR Ramp 0-100 1/s
Oil Separation, 100°C, 24 hours (Wt %)	Zero	FTM 791-321 (M) / DIN 51817
Volatile Loss, 100°C, 24 hours (Wt %)	≤1.0	FTM 791-321 (M)
Oxidative Induction Time, 190°C (min)	≥30	ASTM D3895
Corrosion Protection 168 hours, 35°C		
Salt Spray, 168 hours, 35°C	Pass	NFX41-002
Distilled Water Spray, 168 hours, 35°C	No corrosion	NFX41-002
Corrosion Resistance	PASS	NFX41-002

Packaging Type	Net Weight (Kg)	Supply Options
25 Litre Keg	20kg	Single Journey
210 Litre Drum (liners available)	175kg	Single Journey
1000 Litre Unibag	750kg	Single Journey

Compatibility

OPGW 100F Series is compatible with most polymers, steel / aluminium conductors and wires. Tests on typical jacketing polymers such as HDPE may show minimal interaction. However it is recommended that compatibility tests are made with all materials likely to come into contact with this product

Processing

OPGW 100F Series can be pumped at ambient conditions from packaging to application point, OPGW 100F is thixotropic and does not require pre-heating

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