

TECHNICAL DATA SHEET

128FN Series

Flooding Compound



Thixotropic water blocking compound suitable for cable flooding and interstitial filling for most common designs of optical fiber cable. Unigel 128FN 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	Translucent	Visual
Density, 25°C (g/ml)	0.86	ASTM D1475
Flash Point (°C)	≥220	ASTM D92 / ISO 2592
Dropping Point (°C)	≥190	ASTM D566
Cone Penetration, 25°C (dmm)	370	ASTM D217 (M)
Viscosity, 50 1/s, 25°C (Pa.s)	12.5	UNIGEL CR Ramp 0-100 1/s
Oil Separation, 100°C, 24 hours (Wt %)	Zero	FTM 791-321 (M)
Volatile Loss, 100°C, 24 hours (Wt %)	≤1.0	FTM 791-321 (M)
Oxidative Induction Time, 190°C (min)	≥30	ASTM D3895
Acid Value (mg KOH/g)	≤0.1	ASTM D974-85
Hydrogen Generation, 80°C, 24 hours (μl/g)	≤0.02	UNIGEL
Dielectric constant (20°C, 1 MHz)	2.35	ASTM D150
Volume resistivity (20°C, Ω.cm)	≥2x10 ¹¹	ASTM D3895

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

Compatibility

128FN Series is compatible with most polymers, steel / aluminium tapes 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 128FN

Processing

128FN Series can be pumped at ambient conditions from packaging to application point, 128FN is thixotropic and does not require pre-heating

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