

# TECHNICAL DATA SHEET

## 128FN Series – AS02

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 <sup>11</sup>	ASTM D3895

Packaging Type	Net Weight (kg)	Supply Options
210 Litre Drum	175kg	Single Journey
1000 Litre IBC	825kg	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

The data presented herein is given in good faith and correct to the best of our knowledge at publication. Values quoted are typical and do not constitute a guarantee of performance and UNIGEL reserve the right to make alterations without notice. UNIGEL is a registered trademark of UNIGEL IP Ltd.

**UNIGEL (UK) Ltd.**  
Unit 7, Park View, Alder Close  
Eastbourne, East Sussex  
BN23 6QE,  
United Kingdom

**UNIGEL (USA) Inc.**  
1027 19<sup>th</sup> Street S.W  
Hickory, NC 28602  
United States of America

**UG Technologies Sdn. Bhd.**  
Lot 21, Block A,  
Lorong Keluli 1C, Seksyen 7  
40000 Shah Alam,  
Selangor, Malaysia