



Product Application

- The chemical properties of the **Info-gel LA 444** compound remain stable for a very long period if kept in temperature ranges between -50 °C up to +85 °C; short exposure to temperature up to 300 °C will not affect them.
- Cables manufactured with **Info-gel LA 444** will show an excellent balance of properties and will pass both attenuation test at low temperature and oil separation or drip test at high temperature.
- The compound does not affect thoroughly dried or cured inks generally used for optical fibre coating.
- No impairment of splicing techniques.

General Description

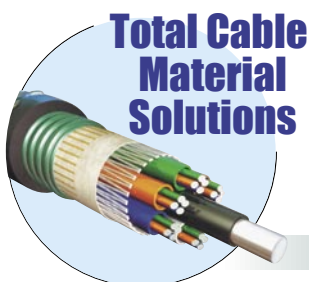
Info-gel LA 444 is a fully synthetic Thixotropic compound suitable for filling and/or flooding all the most common types of optical fiber cable such as loose tube, slotted core, ribbon, etc.

Processing

Gel may be pumped with usual metering pump devices, at room temperature (cold filling technology). Constant quality ensure high-speed, trouble-free production.

Compatibilities

O.F. Coating	Compatible with O.F. coatings (UV Acrylate) commonly used in optical fiber cables
PET, PBT, PA (12)	Compatible with thermoplastic materials commonly used in optical fiber cables
LDPE, HDPE	To be checked by the cable manufacturer; results are greatly influenced by material type



Typical Product Characteristics - Nominal Values

Properties	Unit	Values	Test Method
Density (20 °C)	g/cm ³	0.83 +/- 0.02	DIN 51757, ASTM D 1481
Insulation Index	Ohm. Cm	>10 ¹⁶	DIN 53482
Viscosity			DIN 53019
(50 s ⁻¹ , 20 °C)	mPA . s	9,000 +/- 1,000	
(50 s ⁻¹ , 80 °C)	mPA . s	3,000 +/- 500	
Yield stress	Pa	>40	(by means of flow curve, 20 °C)
Cone Penetration			DIN 51580, ASTM D 937
20 °C	1/10 mm	>360	
-40 °C	1/10 mm	>260	
-60 °C	1/10 mm	>210	
Volatiles b.w.	%	>0.5	80 °C/24 hrs
Oxygen Induction Time	Min	>60	ASTM D3895, Belcore GR-20 Core (190 °C/Cu sample pan)
Oil Separation (FTM 791.C)	%	0	80 °C/24 hrs

Packaging

20 kg pail	Top internal diameter	328 +/- 1 mm
	Bottom internal diameter	312 +/- 1 mm
	Height	383 +/- 1 mm
170 kg ribbed drum	Internal diameter	571 +/- 3 mm
	Height	875 +/- 5 mm
170 kg straight sided drum	Internal diameter	571 +/- 3 mm
	Height	885 +/- 5 mm
850 kg returnable collapsible container	length x width x height	1,200 x 1,000 x 1,85 mm
850 kg disposable lined container	length x width x height	1,200 x 1,000 x 1,400 mm

Other container types and sizes such as plastic or stainless steel can be tailored to customer requirements based on quantities and location.

Storage Information

Protect from moisture; store at a maximum temperature of 50 °C; storage life several years.

Limited Warranty: This product has been tested prior to dispatch and Indore gives warranty that it is free from any manufacturing defects. However Indore disclaims any liabilities for incidental or consequential damages arising out of breach of this warranty or any implied warranty.



INDORE GEL PVT. LTD.

(A J.V. of Indore Composite Pvt. Ltd. & Info Gel, LLC.)

Corporate & Marketing Office

Sethna, 4th Floor, 55, Maharshi Karve Road, Marine Lines, Mumbai - 400002. INDIA
Tel: ++91-22-22090333. Fax: ++91-22-22088988. Web: www.indore.co.in

Manufacturing Sites

Umbergaon (GUJ), INDIA

Limerick, IRELAND

Charlotte, USA