

Flooding Compound for Optical Fiber Cable

Application

LF-90 flooding compound for optical fiber cable is specifically designed for the external filling of loose tube. Its optimum working temperature is room temperature, and as the temperature increases, its viscosity will gradually decrease.

Feature

It can remain soft at -50°C , does not drip at 80°C . LF-90 is suitable for cold filling because of its thixotropy. It has low hydrogen generation, zero oil separation, excellent oxidation resistance and long-term stability.

Main Technical Parameters

Parameter	Typical Value	Test Method
Appearance	Translucent	Visual inspection
Color stability @ 130°C / 120hrs	<2.5	ASTM D127
Density @ 20°C (g/ml)	0.93	ASTM D1475
Flash point ($^{\circ}\text{C}$)	> 230	ASTM D92
Drop point ($^{\circ}\text{C}$)	>150	ASTM D 566-93
Cone penetration @ 25°C (dmm)	345	ASTM D 217
Cone penetration @ -40°C (dmm)	>120	ASTM D 217
Viscosity @ 10 1/S 25°C (MPa.s)	14000	CR Ramp 0-12 1/s
Oil separation @ 80°C / 24 hours (Wt %)	< 2.0	FTM 791(321)
Volatility loss @ 80°C / 24 hours (Wt %)	<1.0	FTM 791(321)
OIT @ 190°C (min)	>30	ASTM D3895
Acid value (mg KOH/g)	<1.0	ASTMD974-85
Hydrogen generation 80°C / 24hours ($\mu\text{l/g}$)	<0.1	POLYGEL
Water Encapsulation Time (Min)	≤ 2	YD/T 839.1-2000

Compatibility

LF-90 flooding compound for optical fiber cable is well compatible with high polymer materials, steel and aluminum. But we recommend that the compatibility test should be made before polymer materials are in contact with the compound.

Manufacturability

Cold filling

Other

1.Payment :TT/LC

30% deposit ,70% balance should be paid before shipment.

2.Delivery date

20' GP : witnin 7 working days after receiving the deposit.

40' GP : within 10 working days after receiving the deposit.

Test Report

 货物运输条件鉴定书 Certification for Safe Transport of Chemical Goods 样品名称: 丙烯酸酯类货物 Sample Name: Flooding compound for optical fiber cable 委托单位: 深圳市鑫凡新材料科技股份有限公司 生产单位: 深圳市鑫凡新材料科技股份有限公司  上海天祥化工检测有限公司 (上海化工研究院检测中心) (Shanghai Research Institute of Chemical Industry Testing Centre)		货物运输条件鉴定书 Certification for Safe Transport of Chemical Goods 35, 201900079 Page 1 / 2																									
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检测报告

Test Report

样品名称
Name of sample: Filling compound for optical fiber cable

样品型号
Type of sample: LF-90

委托方
Comisner: Shenzhen Xinchanglong New material technology Co.,Ltd

试验类型
Kind of test: Commission Test

国家电线电缆质量监督检验中心
CHINA NATIONAL CENTRE FOR QUALITY

No.	Test Items	Unit	Requirements	Test Results	Verdict
1	Drooping point	°C	min 150	160	P
2	Cure penetration				
	— 25°C	mm/mm	min 200	400	P
	— 40°C	mm/mm	min 100	200	P
3	OH separation (IEC 246)	%	max 0.2	0	P
4	Wettability (IEC 246)	%	max 1.0	0.08	P
5	Flash point	°C	Greater than 200	>200	P
6	Dielectric induction loss (IEC)	mm	min 20	>20	P
7	Co. No. 10 comparison test (IEC, SA106)		No comparison	No comparison	P
8	Hydrogen evolution (IEC, 246)	µL/g	max 0.1	0.008	P

Note: "P" means this item does meet the requirements, "F" means this item does not meet the requirements, "N" means this item does not require to be tested.

China National Centre for Quality Supervision and Test of Electric Wire and Cable
Test Report

test	Commission Test	Reference No.	CT17-06852-2
st	Filling compound for optical fiber cable		
st	LF-90	Date of test	2017.10.18—2017.12.20
st	Shenzhen Xinchanglong New material technology Co.,Ltd		
st	Xiangel New village 1148, Songyuanxia Community, Guanlan Subdistrict, Shenzhen, C		
l	13538167950	P.C.	518110
		Unit No.	52829
st	Shenzhen Xinchanglong New material technology Co.,Ltd		
st	Xiangel New village 1148, Songyuanxia Community, Guanlan Subdistrict, Shenzhen, C		
l	13038167950	P.C.	518110
		Unit No.	52829
st	Supplied by consigner	Sample state at receiving	Normal
		Receiving date	2017.1

Refer to YD/T 639.3-2014

10 Filling compounds and flooring compounds for telecommunication cable and optical fiber
Part 3: Filling compounds for cables(TLX)

YD/T 639.3-2014

11 Filling compounds and flooring compounds for telecommunication cable and optical fiber
Part 3: Filling compounds for cables(TLX)

10 The items tested for the sample comply with the requirements of YD/T 639.3-2014.

The consigner provided the name, type and size of sample.

by	Dong Jiaoli	Checked by	Ding Xiaoping	Approved by	Li H
	2017.10.18	Date	2017.12.21	Date	2-0

Unit 1 Ardee Business Park, Hale Street,
Ardee, Co. Louth, Ireland
Tel: +353 41 980 6916
Fax: +353 41 980 6999
Email: info@cirs-reach.com

Shenzhen Xinchanglong New Material Technology Co., Ltd
No.114 Xiangxi Xinwei, Songyuanxia Community, Guanlan Street, Longhua New District, Shenzhen

2016-05-18

Confirmation Letter of REACH Pre-Registration

Dear Madam/Sir,

With the authorisation of Shenzhen Xinchanglong New Material Technology Co., Ltd, we act as Only Representative to fulfil the obligations of EU importers under TITLE II "REGISTRATION OF SUBSTANCES" of "Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No 1907/2006" (hereinafter referred to as "REACH") for the chemical substance listed in Annex of Power of Attorney (No.: CSPM-COP-017-1600233).

After successfully submitting the pre-registration dossier(s) to ECHA, we are pleased to inform you to confirm obtaining 4 submission report(s) with corresponding pre-registration number(s) listed in Annex.

Congratulations on your successful pre-registration under REACH regulation and wish you well in your export business.

Important Notice: Application of REACH Tonnage Coverage Certificate

It shall be noted that we, as only representative, shall maintain the list of importers and keep up-to-date information on quantities imported and customers sold to according to article 8 of REACH. When appointing an only representative, it is necessary that the "non-Community manufacturer" provides his only representative with up-to-date information on the list of EU importers which should be covered by the registration of the only representative and the quantities imported into the EU.

You shall inform us of your customers in Europe and quantities imported by applying for a REACH tonnage coverage certificate from CIRS.

It is also recommended that importers get their chemical products certified by applying for REACH tonnage coverage certificate for their imports from CIRS free of charge. The certificate confirms that imported chemical products are covered by the (pre)registration(s) of Chemical Inspection and Regulation Service Limited (OR) and the importers will be regarded as downstream users (DU) and do not need to do their own REACH registration. A sample REACH tonnage coverage certificate is available here.

http://www.cirs-reach.com/REACH/REACH_Certificate_Of_Compliance.pdf

Why REACH Tonnage Coverage Certificate Is Important?

Firstly, there are many practical questions associated with documenting compliance at the point of entry of goods into the Customs territory of the European Union (EU), particularly with respect to valid pre-registrations, whether the substances are exempt or not from registration, whether the pre-registration obligation was taken over by the importer, the only representative of the exporter, or the only representative of the exporter's supplier and whether the quantities imported have exceeded the tonnage band registered. A certificate of compliance issued by OR will solve those issues.

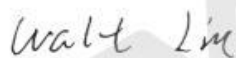
Secondly, ECHA Guidance on Registration 1.5.3.4 clearly states "In cases where an importer is also importing quantities of the same substance directly, then both the only representative and the importer must be able to clearly document to enforcement authorities which imports are covered by the registration of the only representative (OR); and which are covered by the importer; otherwise, the importer remains responsible for all his imports."

Thirdly, CEFIC guidance document also states that an Only Representative (OR) must have an available and up-to-date record of those importers that are covered by his registration and therefore become Downstream Users (DU). In addition, all the importers covered by an OR must be aware that such OR exists and that he covers his substance and volume in his registration.

Further Help

If you need further help, verify the validity of any document or apply for new REACH tonnage coverage certificate for your new exports/imports or previous exports/imports, please contact:
Ms Alice Qian, Supply Chain Communications Officer
info@cirs-reach.com

Very truly yours,



Walt Lin

Vice president, CIRS

ANNEX I: List of Pre-registration Number

List of Pre-registration Number

No	Name	CAS-No	Pre-Registration No.
1	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	17-2120116619-54-0000
2	styrene	100-42-5	17-2120116620-71-0000
3	ethylene	74-85-1	17-2120116621-69-0000
4	butene	25167-67-3	17-2120116622-67-0000

-----End of the list-----

News

China Telecom Announces Candidates for the 2018 Trunk Cable

Recently, China Telecom's 2018 trunk fiber optic cable project (the first batch) of fiber optic cable procurement projects has been completed. According to the results of the review, there are two successful candidates for fiber optic cable procurement projects. The first successful candidate: Changfei, the bid price is 1105000.65 yuan; The second winning candidate: Hengtong Optoelectronics, the bid price is 105,260.64 yuan.

Before that, China Telecom had already launched the introduction of optical fiber cables and outdoor optical fiber cables in 2018, with a total scale of over 50 million core kilometers, worth more than 10 billion yuan.

In addition, Jiangsu Tongding Broadband Co., Ltd. won the bid for China Telecom's 2018 trunk fiber cable project (the first batch) of fiber optic cable splice boxes, and was the only successful bidder. The bid price was 90,206.80 yuan.