

DYM-8613NFR

Wire & Cable Compound

Silane Cross-linkable LSOH(HFFR) Sheathing Compound for Wire & Cables

Description

DYM-8613NFR is a silane cross-linked at room temperature **LSOH(HFFR) Sheathing** compound for wire and cables. This compound is suitable for use in wire & cable and shipboard Sheathing cable.

Specification

IEC 60092-360 type SHF2

Typical Physical-Electrical Properties

Test items	Test method	Unit	Value
Specific gravity at 23°C	ASTM D 792	-	1.37
Tensile strength at break	IEC 60811-501	MPa	12
Elongation at break		%	180
Tensile strength after 168hrs at 120°C	IEC 60811-401		
Variation		%	+ 10
Elongation at break after 168hrs at 120°C			
Variation		%	- 10
Hot set (200°C, 15min, 20N/cm ²)	IEC 60811-507		
Elongation under load		%	<100
Permanent elongation		%	<15
Oil Resistance(IRM 902 oil, 100°C, 24hrs)	IEC 60811-404		
Tensile strength(Variation)		%	- 25
Elongation(Variation)		%	- 25
Oxygen index	ASTM D 2863	%	34
Smoke Density (Flaming mode)	ASTM E 662	Ds max	90
Halogen acid gas evolution	IEC 60754-1	%	0
Corrosivity of gases. PH	IEC 60754-2	-	5.2
Conductivity		μS/mm	4.5
Volume resistivity	ASTM D 257	Ω·cm	1.5×10 ¹⁵
Hardness	ASTM D 2240	Shore A	97

* Curing condition : 85°C, 4hrs in water or 2 weeks at room temperature(20~30°C, Rh 40~60%)

* Data should not be used for specification work.

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Processing Techniques

Recommending standard extrusion temperature profiles of **DYM-8613NFR** are as followings ; Unit: °C

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Adapter	Head	Die
140±5	170±5	175±5	178±5	180±5	180±5	180±5	185±5

It is recommended that this product can be used conventional PE/PVC extruder. (L/D is 25~20:1 and **Low C/R is 1.5~3.0:1**) Specific recommendation for processing conditions can be determined only when the application and type of equipment are known.

Use of Compound

This compound use mixing **Pre-Compound 24.75kg and catalyst 750g. (Mixing ratio = 97 : 3)**

Color & Appearance

This compound is a basic natural color, but colorable, and is supplied in pellet form.

Packing

Pre-Compound : 24.25kg bag packing (Inner Al bag packing).

Catalyst Master Batch : 750g Al bag packing.

Handling

To ensure health and safety, Material Safety Data Sheets(MSDS) is available on request.

Storage

Should be stored at room temperatures between 10~50°C. Recommended maximum storage period in dry and clean place is 6 months unopened and in original packaging after the manufacture.

Disclaimer

The product can be used only for the application as specified here above. It is the customer responsibility to inspect and test our products to satisfy the suitability of this product to customer's particular purpose. No liability can be accepted regarding the use of our products in conjunction with other materials. No warranties shall be offered which extend beyond the description contained here above. The above-mentioned information relates exclusively to our products when not used in conjunction with any third party materials.



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