

Insulation compound for Shipboard Cables

Description

DYP-6608H is a cross-linkable insulation compound for shipboard cables based on EPDM.

Specification

IEC 60502 type HEPR

IEC 60092-360 type EPR

JIS C 3410

Typical Physical-Electrical Properties

Test Items	Test Method	Unit	Value
Specific gravity	ASTM D 792	-	1.31
Tensile strength at break	IEC 60811-501	MPa	15
Elongation at break	IEC 60811-501	%	660
M ₁₅₀	IEC 60811-501	MPa	6
T. S after ageing (Retained)	IEC 60811-401	%	>105
Elongation after ageing (Retained) (After 168 hrs at 135°C)	IEC 60811-401	%	>100
Ageing in air bomb (0.55MPa 127°C 40hrs)	IEC 60811-412		
Tensile strength (Retained)		%	>90
Elongation at break (Retained)		%	>80
Ozone resistance 30 hrs(0.025~0.03%)	IEC 60811-403	-	No Crack
IRHD	ISO 48	-	82
Volume resistivity	ASTM D 257	Ω·cm	2.0 × 10 ¹⁶

* Data should not be used for specification work.

* IRHD : International Rubber Hardness Degree.

Processing Techniques

Recommending standard extrusion temperature profiles of **DYP-6608H** are as followings ; Unit: °C

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Adapter	Head	Die
85	87	90	95	97	100	100	100

It is recommended that this product can be used conventional rubber extruder. (L/D is 10~20/1 and C/R 1.5~2.0:1) Specific recommendations for processing conditions can be determined only when the application and type of equipment are known.

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Color & Appearance

This compound is colorable and is supplied in ribbon form.

Packing

Form : 600kg cardboard box (Inner PE 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 10~30°C. Recommended maximum storage period in a dry and clean place is 6months 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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