

Insulation compound for Shipboard Cables

Description

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

Specification

IEC 60092-360 type EPR

JIS C 3410

Typical Physical-Electrical Properties

| Test Items | Test Method | Unit | Value |
|--|---------------|--------------------------|----------------------|
| Specific gravity | ASTM D 792 | - | 1.35 |
| Tensile strength at break | IEC 60811-501 | MPa | 9 |
| Elongation at break | IEC 60811-501 | % | 540 |
| T. S after ageing (Retained) | IEC 60811-401 | % | >110 |
| Elongation after ageing (Retained) (After 168 hrs at 135°C) | IEC 60811-401 | % | >90 |
| Ageing in air bomb (0.55MPa 127°C 40hrs) | IEC 60811-412 | | |
| Tensile strength (Retained) | | % | >105 |
| Elongation at break (Retained) | | % | >70 |
| Ozone resistance 30 hrs(0.025~0.03%) | IEC 60811-403 | - | No Crack |
| Hardness (Shore A) | ASTM D 2240 | - | 80 |
| Volume resistivity | ASTM D 257 | $\Omega \cdot \text{cm}$ | 9.8×10^{15} |

* Data should not be used for specification work.

Processing Techniques

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

| Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Adapter | Head | Die |
|--------|--------|--------|--------|--------|---------|------|-----|
| 80 | 82 | 85 | 90 | 92 | 95 | 95 | 95 |

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.

Color & Appearance

This compound is colorable and is supplied in ribbon form.

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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.



DYM SOLUTION CO., LTD.

Head Office : 50, 2gongdan 8-gil, Seobuk-gu, Cheonan-si, Chungcheongnam-do, Korea, <http://www.dymcom.co.kr>
Tel : +82(0)41 621 6250, 621 8421 Fax : +82(0)41 621 8420