

# DYP-6628RB

## Wire & Cable Compound

### Insulation compound for 6.6kV KIP Cables

#### Description

**DYP-6628RB** is a cross-linkable insulation compound for 6.6kV KIP cables based on EPDM.

#### Specification

JIS C 3410

JIS C 3611

IEC 60092-351

IEC 60502

#### Typical Physical-Electrical Properties

Test Items	Test Method	Unit	Value
Specific Gravity	ASTM D 792	-	1.31
Tensile strength at break	ASTM D 638	MPa	11
Elongation at break	ASTM D 638	%	450
T. S after ageing (Retained)	ASTM D 638	%	>90
Elongation after ageing (Retained) (After 168 Hrs at 135°C)	ASTM D 638	%	>85
Ageing in air bomb (0.55MPa 127°C 40Hrs)	IEC 60811-412		
Tensile Strength (Retained)		%	>90
Elongation at break (Retained)		%	>85
Ozone Resistance 30 Hrs(0.025~0.03%)	IEC 60811-403	-	No Crack
Hardness (Shore A)	ASTM D 2240	-	70
Volume Resistivity	ASTM D 257	Ω·cm	8.5 × 10 <sup>15</sup>

\* Data should not be used for specification work.

#### Processing Techniques

Recommending standard extrusion temperature profiles of **DYP-6628RB** are as followings ; Unit: °C

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

It is recommended that this product can be used conventional rubber extruder. (L/D is 20~10/1 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 : 700kg 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 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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