

# DYP-6618P

## Wire & Cable Compound

### Insulation compound for Power Cables

#### Description

DYP-6618P is a cross-linkable insulation compound for power cables based on EPDM. (up to 15kV)

#### Specification

JIS C 3410

IEC 60092-351

#### 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	12
Elongation at break	ASTM D 638	%	510
T. S after ageing (Retained)	ASTM D 638	%	>85
Elongation after ageing (Retained) (After 168 Hrs at 135°C)	ASTM D 638	%	>80
Ageing in air bomb (0.55MPa 127°C 40Hrs)	IEC 60811-412		
Tensile Strength (Retained)		%	>85
Elongation at break (Retained)		%	>80
Hot set test (250°C, 15min, 20N/cm <sup>2</sup> )	IEC 60811-507		
Elongation under load		%	20
Permanent elongation		%	0
Ozone Resistance 30 Hrs(0.025~0.030%)	IEC 60811-403	-	No Crack
Hardness (Shore A)	ASTM D 2240	-	82
Volume Resistivity	ASTM D 257	Ω·cm	5.0 × 10 <sup>15</sup>
Water absorption (After 14 days at 85°C )	IEC 60811-402	mg/cm <sup>2</sup>	0.5

\* Data should not be used for specification work.

#### Processing Techniques

Recommending standard extrusion temperature profiles of DYP-6618P are as followings ;

Unit: °C

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Adapter	Head	Die
85±5	90±5	93±5	95±5	97±5	100±5	100±5	100±5

DYP-6618P can be processed in a wide range of conventional rubber extruders. 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 or pellet 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 10~50°C. Recommended maximum storage period in a dry and clean place is 12months 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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