

# HJ 0602

## Semi-conductive Insulation Shielding Compound for MV Power Cables

### Easy Strippable Grade

#### Application

HJ0602 is a easy strippable insulation shielding compound,the peel force ≤20N/CM.

HJ0602 is a cross-linkable semi-conductive shielding compound, specially designed for strippable insulation shielding compound of extruded insulated power cables rated voltage up to 36KV.

It is suitable for dry vulcanization processing method at high temperature. It provides fine surface smoothness, nice extrusion flowability, good performance to prevent scorch and stable volume resistivity.

#### Specifications

HJ0602 meets the applicable requirements as below when processed using sound extrusion practices and testing procedures.

- AIEC CS 8
- IEEA S-94-649
- IEC 60502

Physical Properties	Test Method	Unit	Typical Value
Density, 23°C	ASTM D1505	g/cm <sup>3</sup>	1.15
Tensile Strength	ASTM D638	MPa	12
Elongation at Break	ASTM D638	%	220
After Oven Aging, 168hrs at 136°C			
Tensile Strength Retention	ASTM D638	%	≥85
Elongation at Break Retention		%	≥85
Hot Set Test, 200°C,0.2MPa, 15min			
Elongation under Loading	IEC540	%	40
Permanent Deformation after Cooling		%	6
Moisture Content	Karl Fisher	ppm	450
Brittleness Temperature	ASTM D746	°C	- 45
Electrical Properties			
DC Volume Resistivity at			
20°C	ASTM D991	Ω.cm	50
90°C		Ω.cm	500

#### Process Technology

① Temperature Setting of Extruder:

a

Zone	1#	2#	3#	4#	Tube	Head
Temp.	75°C	85°C	95°C	105°C	105°C	105°C

b

Zone	1#	2#	3#	4#	Tube	Head	Feeding、Water Cooling、Screw
Temp.	70°C	85°C	95°C	105°C	105°C	105°C	65°C

② It' s recommended to use stainless steel wire filter (20×40×20).

③ The above temperature setting are the most typical ones. With different extruder devices, it can be adjusted in terms of the practical situation after extrusion in use, combining with melting pressure and current, in order to achieve the best extrusion result.

#### Packages

HJ0602 is in pellet form and packed in 600kg carton box palletized(inner PE bag packing).

#### Storage

HJ0602 should be stored under clean, cool, dry and ventilated conditions. Away from moisture and directly sunlight.

#### Safety

HJ0602 is not hazardous article. Please refer to our Material Safety Data Sheet (MSDS) for more details.