

# HJ 0286 (Strippable)

## Thermoplastic Shielding Compound for Sioplas Method

### Application

**HJ0286** is a thermoplastic non-crosslinked insulation shielding compound for silane crosslinkable overhead cable.

It is applicable for warm water crosslinking method, with fine surface smoothness, good fluidity and anti-coking extrusion characteristics.

The product has excellent conductivity, processability and mechanical property.

### Specifications

**HJ0286** meets the applicable requirements as below when processed using sound extrusion practices and testing procedures.

- AEIC CS 8
- ICEA S-94-649
- IEC 60502

Physical Properties	Test Method	Unit	Standard	Typical Value
Density, 23°C	ASTM D1505	g/cm <sup>3</sup>	≤1.2	1.12
Tensile Strength	ASTM D638	Mpa	≥9	10
Elongation at Break	ASTM D638	%	≥200	220
After Oven Aging, 240hrs at 100°C				
Tensile Strength	ASTM D638	%	≥80	≥85
Elongation at Break		%	≥80	≥85
Moisture Content	Karl Fisher	ppm	≤500	450
Brittleness Temperature	ASTM D746	°C	≤-40	-45
Electrical Properties				
DC Volume Resistivity at				
20°C	ASTM D991	Ω.cm	≤100	10
90°C		Ω.cm	≤1000	400

### Process Technology

① Temperature Setting of Extruder:

Zone	1#	2#	3#	4#	Head	Feeding, Water Cooling, Screw
Temp.	140°C	150°C	155°C	160°C	165°C	65°C

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

③ The above temperature settings 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

**HJ0286** is in pellet form and packed in 25kg bag or 600kg carton box palletized(inner PE bag packing).

### Safety

**HJ0286** is not hazardous article. Please refer to our Material Safety Data Sheet (MSDS) for more details.

### Storage

**HJ0286** should be stored under clean, cool, dry and ventilated conditions. Away from moisture and directly sunlight.