



## JLS- FR125 125°C Irradiated Cross-linkable Compound

### ◆ Application

JLS-FR125 is halogen free, low smoke, flame retardant, irradiated cross-linkable, low toxicity, low causticity cable compound for cable insulation/jacket. With its excellent mechanical properties, flame retardancy, and extrudability, it is applicable to automobile, electronic and electrical appliances, etc. It can be colored directly or by mixing with Polyolefin color masterbatch.

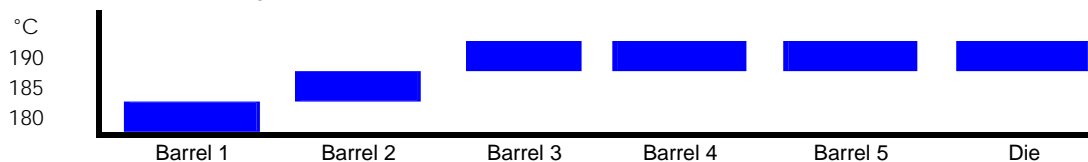
### ◆ Property Parameter

Item	Unit	Typical Value	Test Method	
Density	g/cm <sup>3</sup>	1.14	ISO 1183D	
Melt Flow Index	g/10min	0.86	ISO 1113	
HCL generation	%	0	IEC 60754-1	
Toxicity Index		3.8	NES 713	
LOI	%	42	ISO 4589	
Conductivity	μS/mm	2.6	IEC 60754-2	
20°C Volume Resistivity	Ω.m	3.82×10 <sup>12</sup>	IEC 60502	
pH Value		6.9	IEC 60754-1	
Smoke Density	Non-Flaming Mode	%	53	ASTM E662
	Flaming Mode	%	87	ASTM E662
Original Tensile Strength	MPa	16	IEC 60811	
Original Elongation	%	450	IEC 60811	
Heat Aging Method	°C × h	150 °C ×168h	IEC 60811	
Change of Tensile Strength	%	13	IEC 60811	
Change of Elongation	%	15	IEC 60811	
Heat Deformation	%	13	IEC 60811	
Cold Brittleness (-25°C)		Pass	ISO974	
Flame Retardancy	VW-1 FT-1		UL1581	

### ◆ Processing Guide

#### 1. Processing Temperature

The recommended temperature range is 180°C-190°C.



#### 2. Extrusion Equipment

It can be processed in ordinary PVC processing machine. NO special screw is required. All kinds of screw combination and tooling are applicable.

### ◆ Storage & Packaging

Store in dry place at ambient temperature. Avoid direct exposure to sunlight, moisture and weathering. If pre-dry is required, place under 80 °C for 2-4 hours. Use as soon as possible after open. Recommend storage period not more than 6 months. Standard packing of 25kg net in multi-layer bags (with PE bag inside). Customized package is also available.