

Jacketing Compounds

Property	Density	MFR ¹⁾	Tensile Strength ²⁾	Elongation at Break ²⁾	Relative permittivity ³⁾ (1MHz)	Dielectric dissipation Factor ³⁾ (1MHz)	Volume Resistivity	Base Polymer	Application	Description
Method	ISO 1183-2	ISO 1133-1	ISO 37	ISO 37	IEC 60250	IEC 60250	IEC 62631-3-1	-		
unit	kg/m ³	g/10min	MPa	%	-	-	Ω·cm	-		
Grade										
DFDJ-0588	933	0.18	17	700	2.55	0.005	> 10 ¹⁷	LDPE	Jacket for Telecommunication Cable, Power Cable, Optical Fiber Cable, etc.	Excellent carbon black dispersion, mechanical properties, weather resistance, thermal stability, ESCR and low-temperature brittleness property. Excellent extrudability with smooth surface of the cable in a wide range of temperature.
NUC-9104	933	0.18	17	700	2.52	0.005	> 10 ¹⁶	LDPE		
DFDJ-6059	933	0.59	16	750	2.50	0.001	> 10 ¹⁶	LLDPE		Based on LLDPE with excellent heat resistance, low-temperature brittleness property, abrasion resistance and ESCR. Excellent extrudability with smooth surface of the cable.

1) Measured at 190°C, 21.18N

2) Molding condition: compression 2mm sheet, Test pieces: ISO 37 type 1A, Test speed: 500mm/min

3) The value at solid, Test method: Liquid replacement, 23°C

Note • The values are dependent upon using the testing method as indicated and are offered herein as a guide in the use of compound.