Solid Insulation Compounds

	Density	MFR (21.18N)	Tensile Strength	Elongation	Dielectric Constant (1MHz)	Dissipation Factor (1MHz)	Volume Resistivity	Base Polymer	Application	Description
unit	g/cm3	g/10min	MPa	%	-	-	ohm-cm	-		
Grade										
NUC-9030	0.923	0.28	16	600	2.29	0.0002	> 10^17	HP-LDPE	Insulation for Telephone Cable	Excellent extrudability with smooth surface of the cable. Easy to extrude extremely thin insulation on a fine wire with high speed processing. Good physical properties. Especially excellent thermal stability and electrical properties at high frequency.
DFD-2005	0.918	1.2	15	600	2.27	0.0002	> 10^17	HP-LDPE	Insulation for Telephone Cable, LV Power Cable, Control Cable, Signal Cable, Instrument Cable, Coaxial Cable, etc.	Transmission loss is little in a wide range of frequency bands. Excellent mechanical properties and thermal stability. Easier extrusion in a wide range of temperature for fine wires and also coaxial wires
DFD-6005	0.920	0.23	17	650	2.27	0.0002	> 10^17	HP-LDPE		Transmission loss is little in a wide range of frequency bands. Excellent mechanical properties and thermal stability. Easy extrusion in a wide range of temperature for fine wires and also coaxial wires
DFDJ-7540	0.920	0.6	17	700	2.29	0.0001	> 10^17	LLDPE		Based on LLDPE with excellent abrasion resistance, ESCR, thermal stability and heat deformation resistance. Excellent extrudability with high speed and smooth surface. Transmission loss is little in a wide range of frequency bands and temperature.
DGDN-3364	0.945	0.75	30	900	2.32	0.0001	> 10^17	HDPE		Based on HDPE with excellent abrasion resistance, heat deformation resistance and thermal stability. Excellent extrudability with high speed and smooth surface. Excellent electrical properties in a wide range of frequency band and temperature.
NUCG-9140	0.945	0.9	20	700	2.32	0.0002	> 10^17	HDPE	Insulation for category-6 LAN cable	Based on HDPE with high speed extrudability, stable & continuous processing for thin thickness. Excellent electrical properties in a wide range of frequency band and temperature. Especially excellent adhesion to conductor.

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