

FR180

PPE

Lingen Plastic Rubber Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Shore A Hardness	80	-	ASTM D 2240
Tensile Strength	11	MPa	ASTM D 412
Elongation at Break	350	%	ASTM D 412
Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	28	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.004	-	ASTM D 150
Dielectric Constant, 1 MHz	2.7	-	ASTM D 150
Volume Resistivity	1E13	Ohm*cm	ASTM D 257
Other properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ASTM D 792
Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	wire/cable	-	-
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	4 - 8	h	-

Characteristics**Processing**

Wire/Cable Extrusion

Applications

Electrical and Electronical

Special Characteristics

Flame retardant, Halogen-free

Regional Availability

Asia Pacific

Features

Soft Feel