

Datasheet

A UL recognised durable electrical insulator

RS Stock number 785-0809



Description:

A low-cost durable electrical insulation material which is manufactured from a flame retardant polypropylene plastic.

Features:

- UL 94V-0 Flame Class Rating
- Non-hygroscopic (moisture absorption < 0.1%)
- Excellent dielectric strength
- Superior score and folding ability
- Economical

Typical Properties:

Colour: Natural and Black



Tensile Yield	ASTM D-882	Machine Direction Transverse Direction	4400psi 3200psi
Density	ASTM D-792		1.035gm/cc
Flammability	UL 94		V-0
Oxygen Index	ASTM D-2863		29
Water Absorption	ASTM D-570	Change in weight	0.06%
Heat Deflection Temperature	ASTM D-648	At 66psi	121 ⁰ C
Relative Thermal Index	UL 746B	Electrical Mechanical Without Impact	115 ⁰ C 115 ⁰ C
Surface Energy	ASTM D-2578	Dynes/cm (as produced)	≥50
Dielectric Breakdown	ASTM D-149	Volts	24,820
Dielectric Strength	ASTM D-149	Volts/Mil	1460
Volume Resistivity	ASTM D-257	Ohm-cm	3.97 x 10 ¹⁵
Dielectric Constant	ASTM D-150		2.30
Dissipation Factor	ASTM D-150		0.0019
High Current Arc Ignition	UL 746A	Arcs to ignite	162
High Voltage Arc Tracking	UL 746A		0.0
Hot Wire Ignition	UL 746A	Seconds	9
Comparative Tracking Index	ASTM D-3638	Volts	600