Nomex® T410 Polyaramid Disk (Polymetaphenylene isophthalamide)

Nomex® T410 polyaramid disk offers rigid dielectric spacers and washers for insulation, pressure distribution, and clean assembly in power equipment. **SKU:** 1000029750-group
Product Code: AR31-FM-000150

Material Properties for Polymers

Chemical Resistance

Element	Value
Acids - concentrated	Poor
Acids - dilute	Good-Fair
Alcohols	Good
Alkalis	Good-Poor
Aromatic hydrocarbons	Good
Greases and Oils	Good
Halogenated Hydrocarbons	Good
Ketones	Good

Electrical Properties

Element	Value
Dielectric constant @1kHz	2.3
Dielectric strength(kV mm?¹)	32
Volume resistivity(Ohmcm)	6x10¹?

Physical Properties

Element	Value
Radiation resistance	Good
Limiting oxygen index(%)	29
Water absorption - equilibrium(%)	9
Water absorption - over 24 hours(%)	0.08
Density(gcm?³)	1.38

Mechanical Properties

Element	Value
Elongation at break(%)	9
Izod impact strength(J m?¹)	533unnotched
Tensile strength(MPa)	1800-3900

Thermal Properties

Element	Value
Heat-deflection temperature - 1.8MPa(C)	149
Upper working temperature(C)	200-300
Specific heat(J K?¹ kg?¹)	1200
Thermal conductivity(W m?¹ K?¹)	0.13@23°C
Coefficient of thermal expansion(x10?? K?¹)	20