

INOFLAR™ 1011

PVDF

Gujarat Fluorochemicals Limited

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	14	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.03	mm/mm	ASTM D 955
Density, 73°F	1770	kg/m³	ASTM D 792
Water Absorption, 24hr	0.04	%	ASTM D 570

Mechanical Properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1850	MPa	ASTM D 638
Tensile Strength at Yield	50	MPa	ASTM D 638
Tensile Strength at Break	45	MPa	ASTM D 638
Elongation at Yield	7.5	%	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Shore Hardness D (15s)	76	-	ASTM D 2240
Taber Abrasion Resistance	7.5	mg/1000 cycles	ASTM D 1044

Thermal Properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	105	°C	ASTM D 648
Melting Temperature	168	°C	ASTM D 3418
Glass Transition Temperature	-40	°C	ASTM E 1356
Limiting Oxygen Index	44	%	ASTM D 2863

Electrical Properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	22	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	7	-	ASTM D 150
Volume Resistivity	2E14	Ohm*cm	ASTM D 257

Characteristics

Processing

Injection Molding, Other Extrusion, Transfer Molding

Delivery form

Pellets

Special Characteristics

UV stabilized

Features

Homopolymer

Chemical Resistance

General Chemical Resistance

Applications

General Purpose