

Product information			
Manufacturer	Quadrant China Ltd.		
Part Marking Code	>PTFE-FR<		
Color	NC		
FR	V-0		
Material Attribute	Flame retardant		
Physical property	Standard	Value	Unit
Density	ASTM D792	1.91	g/cm <sup>3</sup>
Water Absorption 24hr	ASTM D570	0.1	%
Water Absorption Saturation	ASTM D570	0.3	%
Hardness	Standard	Value	Unit
Rockwell Hardness R(Scale)	ASTM D785	80	
Shore Hardness D	ASTM D2240	74	
Mechanical behavior	Standard	Value	Unit
Tensile Modulus 23°C	ASTM D638	2550	MPa
Tensile Strength 23°C	ASTM D638	8.96	MPa
Elongation 23°C	ASTM D638	3	%
Flexural Strength 23°C	ASTM D790	17.2	MPa
Flexural Modulus 23°C	ASTM D790	2070	MPa
Izod Notch Impact 23°C	ASTM D256	26.7	J/m
Friction Coefficient Dynamic		0.15	
Friction Coefficient Static		0.2	
Shearing Strength	ASTM D732	17.2	MPa
Compressive Strength	ASTM D695	48.3	MPa
Compressive Modulus	ASTM D695	1380	MPa
Thermal	Standard	Value	Unit
HDT Unannealed 1.8MPa	ASTM D648	104	°C
Melting Temperature	ASTM D3418	327	°C
CLE Flow	ASTM D696	4.5E-5	cm/cm/°C
Electrical properties	Standard	Value	Unit
Surface Resistivity		1E5	Ω
Flammability	Standard	Value	Unit
Flame Rating	UL94	V-0	

**Disclaimer:** [17Suzao] the data displayed on the data search platform of industrial materials is for the convenience of users, this data search platform shall not be responsible for the uncertainties and consequences caused by relevant information, such as brand, data, reference value and all other data and Suggestions. Therefore, if there is any doubt about the data, the users should confirm the reliability of the data with the manufacturer or purchaser before using the product.



扫描二维码，下载物性表APP