

For Phase machine frame High-Dk Low-Df Grades

Strength : Dk/Df control compound technologies

Property	Units	Test Method	Test Condition	General Purpose	XYRONTM High-Dk Low-Df Grades					
				600H	X4520	AA093-1	AA093-2	AA093-6	AA093-7	
Physical	Specific Gravity	g/cm ³	ISO 1183	23°C	1.06	1.26	1.74	1.84	1.69	1.48
Thermal	DTUL	°C	ISO 75-1	1.8 MPa	124	119	150	150	154	153
Electrical	Dielectric Constant	-	IEC 60250	1GHz	2.5	3.3	5.7	6.5	5.0	5.3
	Dissipation Factor	-	IEC 60250	1GHz	0.001	0.003	0.004	0.004	0.002	0.002
Mechanical	Tensile Strength	MPa	ISO 527-2	23°C/50%RH	61	63	41	41	45	48
	(Nominal) Tensile Strain	%	ISO 527-2	23°C/50%RH	17	12	2	2	5	12
	Flexural Strength	MPa	ISO 178	23°C/50%RH	101	100	82	74	87	90
	Flexural Modulus	MPa	ISO 178	23°C/50%RH	2500	3200	4320	4910	3380	2890
	Charpy Impact Strength Notched	kJ/m ²	ISO 179	23°C/50%RH	19	11	12	8	8	10

Data shown are typical values obtained by proper testing methods and should not be used for specification purpose. Please use these data for selecting the most appropriate grade suitable for specific usage. These data may be changed because of improvement in properties.