

- RYTON BR111 NAT -

PROPERTIES	UNIT	TEST METHOD	VALUES
<u>Physical</u>			
Glass reinforced 40% + mineral			
Density	g/cm ³	ISO 1183	1.94
Water absorption 24h at 25°C	%	ISO 62	0.02
Coefficient of thermal expansion	C ⁻¹	ASTM D696	15. 10 ⁻⁶
<u>Mechanical</u>			
Tensile stress	MPa	ISO 527	165
Tensile strain at break	%	ISO 527	1.1
Flexural modulus	MPa	ISO 178	19000
Flexural strength	MPa	ISO 178	245
Izod impact unnotched	kJ/m	ISO 180U	25
Izod impact notched	kJ/m	ISO 180A	7
<u>Thermal</u>			
HDT 1.81 MPa	°C	ISO 75	>260
Relative temperature index	°C	UL 746B	220 / 240
Thermal conductivity	W/m,°C		0.51
Flammability UL94	Class	UL 94	V0
Oxygen index	%	ASTM D2863-74	-
<u>Electrical</u>			
Dielectric strength at 3.2 mm	kV/mm	ASTM D149-64	18
Dielectric constant 25°C, 1 kHz		ASTM D150	4.6
Dielectric constant 25°C, 1 MHz		ASTM D150	4.6
Dissipation factor 25°C, 1 kHz		ASTM D150	0.002
Dissipation factor 25°C, 1 MHz		ASTM D150	0.003
Volume resistivity	Ohm,cm	ASTM D257-66	5 x 10 ¹⁶
Arc resistance	sec	ASTM D495	180
Hot wire ignition	Volt	UL 746A	225

The values indicated are it with titles codes and do not engage to in no case the responsibility for company PHT



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