

- RYTON R4 NAT -

PROPERTIES	UNIT	TEST METHOD	VALUES
<u>Physical</u>			
Glass reinforced 40%			
Density	g/cm ³	ASTM D1505-68	1.65
Water absorption 24h at 25°C	%	ASTM D570-63	0.05
Coefficient of thermal expansion	K ⁻¹	-	2.2 x 10 ⁻⁵
<u>Mechanical</u>			
Tensile stress	MPa	ASTM D638-72	155
Tensile strain at break	%	ASTM D638-72	1.1
Flexural modulus	GPa	ASTM D790-71	14
Flexural strength	MPa	ASTM D790-71	195
Izod impact 3.2 mm unnotched	J/m	ASTM D256-72a	250
Izod impact 3.2 mm notched	J/m	ASTM D256-72a	70
Charpy impact unnotched	KJ/m ²	DIN 53453	16
Charpy impact notched	KJ/m ²	DIN 53453	7
<u>Thermal</u>			
HDT 1.81 MPa	°C	ASTM D648-72	>260
Relative temperature index	°C		200 / 220
Thermal conductivity	W/m,°C		0.3
Flammability UL94	Class	UL 94	V0 / 5V
Oxygen index	%	ASTM D2863-74	47
<u>Electrical</u>			
Dielectric strength at 3.2 mm	kV/mm	ASTM D149-64	17
Dielectric constant 25°C, 1 kHz		ASTM D150-70	3.9
Dielectric constant 25°C, 1 MHz		ASTM D150-70	3.8
Dissipation factor 25°C, 1 kHz		ASTM D150-70	0.002
Dissipation factor 25°C, 1 MHz		ASTM D150-70	0.002
Volume resistivity	Ohm.cm	ASTM D257-66	1 x 10 ¹⁶
Arc resistance	sec	ASTM D495-73	34
Hot wire ignition	Volt	UL 746A	130

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



PLASTIQUES HAUTES TECHNOLOGIES

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