

- ULTRASON E 2010 NT -

PROPERTIES	UNIT	TEST METHOD	VALUES
Physical			
unreinforced			
Density	g/cm ³	ISO 1183	1.37
Water absorption at saturation at 23°C	%	ISO 62	2.20
Coefficient of thermal expansion in flow direction CTE (23°C-60°C)	E-4/°C	ISO 11359-1/-2	0.52
Mechanical			
Modulus of elasticity	MPa	ISO 527-1/-2	2700
Yield stress - 50 mm/min	MPa	ISO 527-1/-2	90
Yield strain - 50 mm/min	%	ISO 527-1/-2	6.7
Tensile modulus - 1000 h elongation ≤ 0.5% + 23°C	MPa	ISO 899-1	2700
Impact Charpy notched +23°C / - 30°C	kJ/m ²	ISO 179/1eU/eA	6.0 / 7.0
Impact Izod notched +23°C / - 30°C	kJ/m ²	ISO 180/1eU/eA	6.0 / 7.0
Hardness H 358/30	MPa	ISO 2039-1	154
Thermal			
HDT / B at 0,45 MPa	°C	ISO 75-1/2	205
Maximum temperature of use after a few hours	°C	-	220
Temperature of use in constant activity 20 000 h	°C	IEC 216	180
UL 94 rating flame class rating / at 1.6 mm thickness	Class	UL 94	V0
UL 94 rating flame class rating / at 3.2 mm thickness	Class	UL 94	V0
Electrical			
Dielectric constant at 100Hz / 1 MHz	-	IEC 60250	3.9 / 3.8
Dissipation factor at 100 Hz / 1 MHz	10 ⁻⁴	IEC 60250	17 / 140
Volume resistivity	Ohm.m	IEC 60093	>10 ¹⁴
Surface resistivity	Ohm	IEC 60093	>10 ¹⁴
Electric strength, K20/K20	kV/mm	IEC 60243/1	35
Tracking resistance - method CTI test A	-	IEC 60112	100
Tracking resistance - method CTI test B	-	IEC 60112	100

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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