

- ABS NOVODUR P2 H AT -

PROPERTIES	UNIT	TEST METHOD	VALUES
<u>Physical</u>			
unreinforced			
Density	g/cm ³	ISO 1183	1.06
Coefficient of thermal expansion in flow direction CTE (23°C-55°C)	10 ⁻⁴ /K	ISO 11359	0.9
Water absorption at saturation at 23°C	%	ISO 62	0.23
<u>Mechanical</u>			
Tensile stress - 50 mm/min	MPa	ISO 527	44
Tensile strain - at break - 50 mm/min	%	ISO 527	> 15
Tensile modulus at 1mm/min	MPa	ISO 527	2500
Flexural stress - 2 mm/min	MPa	ISO 178	70
Flexural modulus at 2 mm/min	MPa	ISO 178	2400
Hardness H 358/30	MPa	ISO 2039-1	110
Impact Izod notched at +23°C (- 30°C)	kJ/m ²	ISO 180-1A	16 (7)
<u>Thermal</u>			
Vicat B/50 50N (method B) à 50°C/h	°C	ISO 306	98
HDT / Ae at 1,80 MPa	°C	ISO 75/Ae	93
HDT / Be at 0,45 MPa	°C	ISO 75/Be	97
UL 94 rating flame class rating / at mm thickness	Classe / mm	UL94	HB/1.6
<u>Electrical</u>			
Dielectric strength at 1 mm	kV/mm	IEC 60243-1	34
Surface resistivity	Ohm	IEC 60093	1E15
Volume resistivity	Ohm,m	IEC 60093	1E13
Dielectric constant at 100 Hz	-	IEC 60250	3.0
Dielectric constant at 1 MHz	-	IEC 60250	2.9
Dissipation factor at 100 Hz	10 ⁻⁴	IEC 60250	55
Dissipation factor at 1MHz	10 ⁻⁴	IEC 60250	60

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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