

# - ABS NOVODUR P2MC -

PROPERTIES	UNIT	TEST METHOD	VALUES
<b><u>Physical</u></b>			
unreinforced			
Density	g/cm <sup>3</sup>	ISO 1183	1.06
Coefficient of thermal expansion in flow direction CTE (23°C-55°C)	10 <sup>-4</sup> /K	ISO 11359	1.0
Water absorption at saturation at 23°C	%	ISO 62	0.23
<b><u>Mechanical</u></b>			
Tensile stress - 50 mm/min	MPa	ISO 527	40
Tensile strain - at break - 50 mm/min	%	ISO 527	> 15
Tensile modulus at 1mm/min	MPa	ISO 527	2200
Flexural stress - 2 mm/min	MPa	ISO 178	62
Flexural modulus at 2 mm/min	MPa	ISO 178	2100
Hardness H 358/30	MPa	ISO 2039-1	90
Impact Izod notched at +23°C (- 30°C)	kJ/m <sup>2</sup>	ISO 180-1A	23 (12)
<b><u>Thermal</u></b>			
Vicat B/50 50N (method B) à 50°C/h	°C	ISO 306	95
HDT / Ae at 1,80 MPa	°C	ISO 75/Ae	94
HDT / Be at 0,45 MPa	°C	ISO 75/Be	96
UL 94 rating flame class rating / at mm thickness	Classe / mm	UL94	HB/1.6
<b><u>Electrical</u></b>			
Dielectric strength at 1 mm	kV/mm	IEC 60243-1	37
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 <sup>-4</sup>	IEC 60250	50
Dissipation factor at 1MHz	10 <sup>-4</sup>	IEC 60250	80

*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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