

## - PSU GF 20% NOIR -

PROPERTIES	UNIT	TEST METHOD	VALUES
<b>Physical</b>			
Glass reinforced 20%			
Density	g/cm <sup>3</sup>	ASTM D 1505	1.40
Water absorption at 24 H	%	ASTM D 570	0.55
Coefficient of thermal expansion (x 10 <sup>-5</sup> )	1/°C	ASTM D 696	2.6
<b>Mechanical</b>			
Tensile stress	MPa	ASTM D 638	97
Tensile modulus	MPa	ASTM D 638	5170
Elongation at break	%	ASTM D 638	3
Flexural stress	MPa	ASTM D 790	148
Flexural modulus	MPa	ASTM D 790	5520
Impact Izod (3.2 mm)	J/m	ASTM D 256	69
<b>Thermal</b>			
HDT / Af at 1,80 MPa	°C	ASTM D 648	180
Indices thermal	°C	UL 746B	-
UL 94 rating flame class rating / at mm thickness	Class / mm	UL 94	HB
<b>Electrical</b>			
Dielectric strength (3.2 mm)	kV/mm	ASTM D 149	19
Dielectric constant at 60 Hz		ASTM D 150	3.40
Dielectric constant at 1 KHz		ASTM D 150	3.50
Dielectric constant at 1 MHz		ASTM D 150	
Dissipation factor at 60 Hz		ASTM D 150	0.001
Dissipation factor at 1 KHz		ASTM D 150	0.005
Dissipation factor at 1 MHz		ASTM D 150	

*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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