

- UDEL P1700 BK937 -

PROPERTIES	UNIT	TEST METHOD	VALUES
<u>Physical</u>			
unreinforced			
Density	g/cm ³	ASTM D 1505	1.24
Water absorption at 24 H	%	ASTM D 570	0.3
Coefficient of thermal expansion (x 10 ⁻⁵)	1/°C	ASTM D 696	5.6
<u>Mechanical</u>			
Tensile stress	MPa	ASTM D 638	70
Tensile modulus	MPa	ASTM D 638	2480
Elongation at break	%	ASTM D 638	50-100
Flexural stress	MPa	ASTM D 790	106
Flexural modulus	MPa	ASTM D 790	2690
Impact Izod notched (3.2 mm)	J/m	ASTM D 256	69
<u>Thermal</u>			
HDT / Af at 1,80 MPa	°C	ASTM D 648	174
Indices thermal	°C	UL 746B	160
UL 94 rating flame class rating / at mm thickness	Class / mm	UL 94	V0 / 4.47mm
<u>Electrical</u>			
Dielectric strength (3.2 mm)	kV/mm	ASTM D 149	17
Dielectric constant at 60 Hz		ASTM D 150	3.15
Dielectric constant at 1 KHz		ASTM D 150	3.14
Dielectric constant at 1 MHz		ASTM D 150	3.10
Dissipation factor at 60 Hz		ASTM D 150	0.0011
Dissipation factor at 1 KHz		ASTM D 150	0.0013
Dissipation factor at 1 MHz		ASTM D 150	0.0050

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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