- NORYL 731 960 -

PROPERTIES	UNIT	TEST METHOD	VALUES
Physical			
unreinforced			
Density	g/cm^3	ISO 1183	1.06
Coefficient of thermal expansion in flow direction CTE (23°C-60°C)	1/°C	ASTM D696	7-10^{-5}
Water absorption at saturation at 23°C	%	ISO 62	0.23
Mechanical			
Tensile stress - at yield (at break) at 50 mm/min	MPa	ISO 527	55 (50)
Tensile strain - at yield (at break) at 50 mm/min	%	ISO 527	5 (30)
Tensile modulus at 1mm/min	MPa	ISO 527	2300
Flexural stress at yield (at break) at 2 mm/min	MPa	ISO 178	75 (-)
Flexural modulus at 2 mm/min	MPa	ISO 178	2200
Hardness H 358/30	MPa	ISO 2039-1	100
Hardness Rockwell R, M or L	-	ISO 2039-2	M65
Abrasion resistance Taber, CS-17, 1 kg	mg/1000cy	GE	65
Impact Izod notched at +23°C (- 30°C)	kJ/m²	ISO 180-1A	15 (5)
Thermal			
Vicat A/50 10N (method A) à 50°C/h	°C	ISO 306	145
Vicat B/50 50N (method B) à 50°C/h	°C	ISO 306	135
HDT / Ae at 1,80 MPa	°C	ISO 75/Ae	115
HDT / Be at 0,45 MPa	°C	ISO 75/Be	130
Relative Temperature Index RTI – electrical properties	°C	UL746B	105
Relative Temperature Index RTI – mechanical properties with impact	°C	UL746B	90
UL 94 rating flame class rating / at mm thickness	Class / mm	UL94	HB/1.65
Limited Oxygen Index- LOI	%	ASTM D2863	22
Electrical			
Dielectric strength at 3,2 mm	kV/mm	ASTM D149	19
Surface resistivity	Ohm	ASTM D257	>10^{15}
Volume resistivity	Ohm,cm	ASTM D257	10^{15}
Dielectric constant at 50 Hz	-	ASTM D150	2.7
Dielectric constant at 1 MHz	-	ASTM D150	2.6
Dissipation factor at 50 Hz	-	ASTM D150	0.002
Dissipation factor at 1 MHz	-	ASTM D150	0.001
Comparative Tracking Index - CTI	PCL	UL746A	2
Arc Resistance - D-495 - class	PCL	UL746A	6
High Voltage Arc - Tracking Rate – HVTR - class	PCL	UL746A	4

The values indicated are it with titles codes and do not engage to in no case the responsibility for company PHT

PHT
PLASTIQUES HAUTES TECHNOLOGIES
ZA de Malvaisin - 58 rue du Vercors – 38240 LE VERSOUD
Tél (33) 04 76 776 990 - Fax (33) 04 76 776 994