



Preliminary Technical Data Sheet

SICOBLEND[®] N120

PA/ABS 20% glass fiber filled grade

PROPERTIES	NORM		UNIT	VALUE
GENERAL	ISO	ASTM		
Density	1183	D792	g/cm ³	1,20
Water absorption	62	/	%	0,90
Linear mould shrinkage	/	D955	%	0,3-0,6
Melt Flow Index 240°C/10Kg	1133	D1238	g/10 min	10
TERMICHE/ THERMAL				
VICAT B50	306	D1525	°C	115
HDT/A (annealed)	75	D648	°C	95
MECHANICAL				
Tensile strength (yield)	527	D638	Mpa	68
Tensile strength (break)	527	D638	MPa	65
Elongation at break	527	D638	%	6
Tensile Modulus	527	D638	MPa	4500
Flexural modulus	178	D790	MPa	4000
Izod Impact +23 °C (notched)	180/1A	D256	KJ/m ²	9
Izod Impact -23 °C (notched)	180/1A	D256	KJ/m ²	3,5
FLAMMABILITY				
Flammability 3,2 mm	UL94		-	HB
Flammability 1.6 mm	UL94			HB
Glow Wire Flammability Index 2,0 mm	IEC 60695-2-12		°C	650
Burning rate	FMVSS 302		mm/min	40
ELECTRICAL				
Dielectric rigidity (Oil 1mm)	IEC 60243-1		KV/mm	33
Surface resistivity	IEC 60093		Ohm	1E14
Volume resistivity	IEC 60093		Ohmxcm	1E13
CTI Comparative Tracking Index	IEC 60112		V	600