



Technical Data Sheet

SICOSTIROLO[®] 583G10

HIPS 10% Glass fiber filled

PROPERTIES	NORM		UNIT	VALUE
<u>GENERAL</u>	ISO	ASTM		
Density	1183	D792	g/cm ³	1.10
Linear mould shrinkage	/	D955	%	0.3-0.5
Melt Flow Index 200°C/5Kg	1133	D1238	g/10 min	10
<u>TERMICHE/ THERMAL</u>				
VICAT A50	306	D1525	°C	98
VICAT B50	306	D1525	°C	85
HDT/A	75	D648	°C	-
Ball pressure test 75°C	IEC 335		°C	-
<u>MECHANICAL</u>				
Tensile strength (yield)	527	D638	Mpa	30
Tensile strength (break)	527	D638	MPa	28
Elongation at break	527	D638	%	2.5
Flexural modulus	178	D790	MPa	3500
Izod Impact +23 °C (notched)	180/1A	D256	KJ/m ²	8
Izod Impact -23 °C (notched)	180/1A	D256	KJ/m ²	-
<u>FLAMMABILITY</u>				
Flammability 3,2 mm	UL94		-	HB
Flammability 1.6 mm	UL94			HB
Glow Wire Flammability Index 2,0 mm	IEC 60695-2-12		°C	550
Burning rate	FMVSS 302		mm/min	-
<u>ELECTRICAL</u>				
Dielectric rigidity (Oil 1mm)	IEC 60243-1		KV/mm	-
Surface resistivity	IEC 60093		Ohm	-
Volume resistivity	IEC 60093		Ohmxcm	-
CTI Comparative Tracking Index	IEC 60112		V	-