



Preliminary Technical Data Sheet

RAVAMID® C GF 35 BK IK

Polyamide Copolymer Blend 6/66 Black containing recycled material, 35% glass fiber reinforced

PROPERTIES	NORM		UNIT	VALUE
GENERAL	ISO	ASTM		
Density	1183	D792	g/cm3	1.41
Linear mould shrinkage (Parallel)	/	D955	%	0.16
Linear mould shrinkage (Perpendicular)	/	D955	%	0.81
Melt Flow Index 250°C/2.16Kg	1133	D1238	g/10 min	-
Humidity	960	-	%	≤0.15
TERMICHE/ THERMAL				
VICAT B50	306	D1525	°C	205
HDT/A (annealed)	75	D648	°C	220
MECCANICHE/ MECHANICAL				
Tensile strength (yield)	527	D638	MPa	110
Tensile strength (break)	527	D638	MPa	-
Elongation at break	527	D638	%	3
Flexural modulus	178	D790	MPa	7000
Tensile modulus	527	D638	MPa	6500
Izod Impact + 23°C (notched)	180/1A	D256	KJ/m2	6.5
Charpy Impact + 23°C (notched)	179/1U	-	KJ/m2	5.5
Charpy Impact + 23°C (notched)	179/1A	-	KJ/m2	50
FLAMMABILITY				
Burning rate (FMVSS 302)	ISO 3795	-	mm/min	-
Flammability 3,2 mm	UL94	-	-	HB
Flammability 1.6 mm	UL94	-	-	HB
Flammability 0.75 mm	UL94	-	-	-
Glow Wire Flammability Index 2,0 mm	IEC 60695-2-12	°C	°C	650
Glow Wire Ignitability Temperature 1,2 mm	IEC 60695-2-13	°C	°C	-
ELECTRICAL				
Dielectric rigidity (Oil 1mm)	IEC 60243-1	KV/mm	KV/mm	-
Surface resistivity	IEC 60093	Ohm	Ohm	-
Volume resistivity	IEC 60093	Ohmxcmm	Ohmxcmm	-
CTI Comparative Tracking Index	IEC 60112	V	V	-