



## Preliminary Technical Data Sheet

### RAVAMID<sup>®</sup> R210 GF20

Polyamide 6.6 compound 20% Glass filled for injection molding also available in custom colors, heat stabilized (H) and UV stabilized (UV)

PROPERTIES	NORM		UNIT	VALUE
<b>GENERAL</b>	ISO	ASTM		
Density	1183	D792	g/cm <sup>3</sup>	1.30
Linear mould shrinkage	/	D955	%	0.45 1.5
Water absorption (24h 23°C)	62	D570	%	/
<b>TERMICHE/ THERMAL</b>				
VICAT B50	306	D1525	°C	235
HDT/A	75	D648	°C	225
Ball pressure test 125°C	IEC 335		°C	Pass
Melting point	ISO 3416		°C	265
<b>MECCANICHE/ MECHANICAL</b>				
Tensile strength (yield)	527	D638	MPa	/
Tensile strength (break)	527	D638	MPa	130
Elongation at break	527	D638	%	3
Flexural modulus	178	D790	MPa	6000
Izod Impact +23°C (notched)	180/1A	D256	KJ/m <sup>2</sup>	8
Charpy Impact +23°C (unnotched)	179/1U		KJ/m <sup>2</sup>	50
Charpy Impact +23°C (notched)	179/1A		KJ/m <sup>2</sup>	8.5
<b>FLAMMABILITY</b>				
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
Glow Wire Ignitability Temperature 1,2 mm	IEC 60695-2-13		°C	-
<b>ELECTRICAL</b>				
Dielectric rigidity (Oil 1mm)	IEC 60243-1		KV/mm	18
Surface resistivity	IEC 60093		Ohm	10E14
Volume resistivity	IEC 60093		Ohmxcmm	-
CTI Comparative Tracking Index	IEC 60112		V	600