

Preliminary Technical Data Sheet

RAVAMID® 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
	ISO	ASTM		
<u>GENERAL</u>				
Density	1183	D792	g/cm3	1.30
Linear mould shrinkage	/	D955	%	0.45 1.5
Water absorption (24h 23 ℃)	62	D570	%	/
TERMICHE/ THERMAL				
VICAT B50	306	D1525	℃	235
HDT/A	75	D648	°C	225
Ball pressure test 125℃	IEC	335	$^{\circ}$	Pass
Melting point	ISO 3416		℃	265
MECCANICHE/ MECHANICAL				,
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/m2	8
Charpy Impact +23 °C (unnotched)	179/1U		KJ/m2	50
Charpy Impact +23 ℃ (notched)	179/1A		KJ/m2	8.5
FLAMMABILITY				
Flammability 3,2 mm	UL94		_	НВ
Flammability 1.6 mm	UL94		_	HB
Glow Wire Flammability Index 2,0 mm	IEC 60695-2-12		℃	650
Glow Wire Ignitability Temperature 1,2 mm	IEC 60695-2-13		°C	-
ELECTRICAL				
Dielectric rigidity (Oil 1mm)	IEC 60243-1		KV/mm	18
Surface resistivity	IEC 60093		Ohm	10E14
Volume resistivity	IEC 60093		Ohmxcm	-
CTI Comparative Tracking Index	IEC 60112		V	600

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