



Technical Data Sheet

RAVAMID[®] R205 GF30

Polyamide 6/6.6 compound, 30% glass filled for injection molding also available in custom colors, heat stabilized (H) and UV stabilized (UV)

PROPERTIES	NORM		UNIT	VALUE
GENERAL	ISO	ASTM		
Density	1183	D792	g/cm ³	1.35
Linear mould shrinkage	/	D955	%	0.35 1.4
Water absorption (24h 23°C)	62	D570	%	/
TERMICHE/ THERMAL				
VICAT B50	306	D1525	°C	220
HDT/A	75	D648	°C	215
Ball pressure test 125°C	IEC 335		°C	Pass
Melting point	ISO 3416		°C	-
MECCANICHE/ MECHANICAL				
Tensile strength (yield)	527	D638	MPa	/
Tensile strength (break)	527	D638	MPa	145
Elongation at break	527	D638	%	2
Flexural modulus	178	D790	MPa	8500
Charpy Impact +23°C (unnotched)	179/1U		KJ/m ²	50
Charpy Impact +23°C (notched)	179/1A		KJ/m ²	10
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
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