



**RADILENE R65TC200**

PP copolymer 20% mineral reinforced, UL94 V0/1.6mm

	Condition	Unit	Method	Value
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▣ PHYSICAL PROPRIETIES

Specific gravity		kg/dm <sup>3</sup>	ISO 1183	1,34
Melt index	230°C/2,16kg	g/10min	ASTM D 1238 L	10
Mould sinkrage		%	ASTM D 955	0,8 - 1,2
Water content	24h - 23°C	%	ASTM D 570	0,03

▣ MECHANICAL CHARACTERISTICS

Tensile yield stress	23°C	MPa	ASTM D 638	23
Elongation at break	23°C	%	ASTM D 638	25
Tensile modulus	23°C	MPa	ASTM D 638	-
Tensile stress at break	23°C	MPa	ASTM D 790	-
Flexural modulus	23°C	MPa	ASTM D 790	2200
Izod impact strenght notched	23°C	J/m	ASTM D 256	35
Izod impact strenght unnotched	23°C	J/m	ISO 180/1U	-

▣ THERMAL CHARACTERISTICS

Heat distortion temperature	1,82 Mpa	°C	ASTM D 648	62
Heat distortion temperature	0,45 MPa	°C	ASTM D 648	-
VICAT A	50N/50°C/h	°C	ISO 306	76
Ball pressure		°C	IEC 335	125

▣ VARIOUS CHARACTERISTICS

Flame behaviour	Class / mm	UL 94	V0/1,6mm*
Glow wire flammability index (GWFI)	°C	IEC 695-2-12	960
Glow wire (GWIT)	°C	IEC 695-2-1-13	750
Tracking resistance KC	V	IEC 112	>600
Needle flame		IEC 695-2-2	pass

\* Certified value to Underwriters Laboratories INC – Yellow card file N° E 244 363

