



RADILUX R95D200

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Polycarbonate filled with 20% glass fibres

Conditions	Units	Methods	Value
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PHYSICAL PROPERTIES

Density		kg/dm ³	ISO 1183	1.35
Melt flow index	230°C/2.16kg	g/10min	ASTM D 1238 L	-
Shrinkage		%	ASTM D 955	0.2 - 0.35
Water absorption	24h - 23°C	%	ASTM D 570	0.12

MECHANICAL PROPERTIES

Tensile stress at yield / at break	23°C	MPa	ASTM D 638	90
Tensile modulus	23°C	MPa	ASTM D 638	6000
Elongation at break	23°C	%	ASTM D 638	3.5
Flexural strength	23°C	MPa	ASTM D 790	-
Flexural modulus	23°C	MPa	ASTM D 790	-
Charpy notched impact strength	23°C	KJ/m ²	DIN 53453	12.5
Charpy unnotched impact strength	23°C	KJ/m ²	DIN 53453	40

THERMAL PROPERTIES

Heat deflection temperature under load	1.82 MPa	°C	ASTM D 648	147
Heat deflection temperature under load	0.45 MPa	°C	ASTM D 648	-
VICAT softening temperature		°C	ASTM D 1525	150

MISCELLANEOUS PROPERTIES

Flammability	Class/mm	UL 94	-
Glow-wire resistance	°C	IEC 695-2-1	-

These data are indicative only and cannot replace the necessary tests corresponding to your use. They must not be considered as specifications.