

**MAKATRON L 100 RFCM 42**

**PPS with 20 % glass fiber reinforced, antistatic grade. For technical injection molded parts with a high request for outstanding mechanical properties like stiffness, heat resistance and chemical resistance. Inherent self-extinguishing burning behavior, without additional flame-retardants.**

PROPERTIES	TEST	UNIT	VALUE
Density	ISO 1183	gr/cm <sup>3</sup>	1,52
Shrinkage	-	%	0,3 – 0,7
Water absorption NK 23°C/50	ISO 62	%	0,02
Tensile E-Modul	ISO 527	MPa	8.900
Tensile strength	ISO 527	MPa	122
Elongation at break	ISO 527	%	1,5
Impact strength Izod 23°C	ISO 180/1U	kJ/m <sup>2</sup>	33
Notched impact strength Izod 23°C	ISO 180/1A	kJ/m <sup>2</sup>	6,5
Melting temperatur	DSC	°C	280
Heat deflection temp. 0,45 MPa	ISO 75	°C	275
Heat deflection temp. 1,81 MPa	ISO 75	°C	255
Max usage temp.	-----	°C	-
Volume resistivity	IEC 60093	Ω x cm	10 <sup>8</sup>
Surface resistivity	IEC 60093	Ω	-
Tracking resistance	IEC 112	V	-
Flammability	FMVSS 302	mm/min	< 75
Flammability at 1,6 mm	UL 94 internal test	-	V0
Processing temperature	-	°C	310 – 340
Mould temperature	-	°C	130 – 160
Recommended process	-	°C	injection moulding
Pre drying 3-4 h.	-	°C	140

The quoted data constitute standard values, which may be applied for the selection of suitable molding grades. These values cannot replace tests done on the finished part. The recommendations and given data, is based on our experience today. No liability can be assumed in connection with their usage and processing.