

SELON 1520/M



*Polycarbonate for general purpose, medium MFI, for injection moulding. With mould release agent.
Available only in matt colours. On demand, it is available with UV stabilisation.*

Properties	Test Condition	Method	Unit	1520/M Standard
Rehological				
Melt flow index	300°C - 1,2Kg	ASTM D1238	g/10'	18
Mechanical				
Tensile stress at Yield	50 mm/min	ASTM D638	Mpa	60
Tensile stress at break	50 mm/min	"	Mpa	70
Elongation	50 mm/min	"	%	100
Flexural maximum stress	1,3 mm/min	ASTM D790	Mpa	90
Flexural elastic modulus	1,3 mm/min	"	Mpa	2200
IZOD notched impact Strength 3.2 mm	23°C 3,2 mm	ASTM D256	j/m	600
" "	0°C 3,2 mm	"	j/m	400
" "	- 20°C 3,2 mm	"	j/m	150
Rockwell hardness		ASTM D785	Scala R	60
Thermal				
Vicat softening temperature	49N/120°C/h	ASTM D1525	°C	145
Heat distortion temperature	1,82 Mpa	ASTM D648	°C	125
Linear expansion coefficient	23/55 °C	ISO 11359-2	10 ⁻⁵ K ⁻¹	7
Flame behaviour				
Glow wire temperature GWT	S=2,0mm	IEC 695-2-1	°C	850
UL 94 rating	S=1,6mm	UL 94	Classe	V2
	S=3.2mm	UL 94	Classe	HB
Electrical				
Relative permittivity	1 MHz = secco	IEC 60250	-	3
Dissipation factor	1 MHz = secco	IEC 60250	-	90x10 ⁻⁴
Dielectric strength	S=1mm	IEC 60243-1	KV/mm	25
Surface resistivity	secco	IEC 60093	ohm	10 ¹⁵
Volume resistivity	secco	IEC 60093	ohm cm.	10 ¹⁴
Various				
Density	23°C	ASTM D792	g/cm ³	1,2
Humidity content at equilibrium	23°C/50%UR	ISO 62	%	0,12
Water absorption	Saturazione 23°C	ISO 62	%	0,3
Moulding shrinkage	Parallelo	-	%	0,5-0,8
	Normale	-		-

NOTE:

Data are provided for guidance purpose only, and cannot be considered as Sale Specification.