



TECHNICAL DATASHEET

Code : FOR.QUA.06
Version : 00
Date of application : 01-11-2018

HERMACARB PC 10000

Product Description: Polycarbonate :PC, Unfilled, Medium Viscosity

Properties	Condition	Min/Max	Units	Standards
Physical properties				
Density	23°C	1.18-1.22	g/cm ³	ISO1183
Melt –Flow-Index	300°C/1.2Kg	9-11	g/10min	ISO1133
Humidity	110°C	0.1-0.2	%	ISO15512
Ash Content	625°C	28-32	%	ISO 1172
Mechanical properties				
Tensile modulus	50mm/min	-	MPa	ISO 527-2
Tensile stress at break	50mm/min	70-80	MPa	ISO 527-2
Elongation at break	50mm/min	115-125	%	ISO 527-2
Flexural modulus	2mm/min	2350-2450	MPa	ISO 178
Flexural strength	2mm/min	88-92	MPa	ISO 178
Izod impact strength	5J	-	Kj/m ²	ISO180
Izod notched impact strength	5J	75-85	Kj/m ²	ISO180
Charpy impact strength	5.5J	-	Kj/m ²	ISO179/1eU
Charpy notched impact strength	5.5J	70-80	Kj/m ²	ISO179/1eA
Thermal properties				
Melting and crystallization temperature	10°C/min	-	°C	ISO11357-3
HDT /A Heat deflection temperature	1.8MPa	127-129	°C	ISO 75/1-2
HDT/B Heat deflection temperature	0.45MPa	-	°C	ISO 75/1-2
Vicat : Softening point of materials	1kg°C/hr	148-152	°C	ISO 306
Electrical properties				
Surface resistivity	-	1.00e+13	Ohm-cm	IEC 60093
Volume resistivity	-	1.00e+15	Ohm-cm	IEC 60093
Flammability				
Flammability	2.5mm	V-2	CLASS	UL94

The information contained herein is based on our current knowledge and experience. A legally binding promise of certain characteristics or suitability for a concrete individual case cannot be derived from this information. The information here is not intended to release processors and users from the responsibility of carrying out their own tests and inspections in each concrete individual case.



TECHNICAL DATASHEET

Code : FOR.QUA.06
Version : 00
Date of application : 01-11-2018

Characteristics

- *Delivery from
Pellets, natural color
- *Chemical resistance
General chemical resistance
- *Applications : injection molding
Automotive, electrical and electronical, general purpose.

Processing Properties :

Drying conditions: 100-120°C
Melt Temperature: 260°C-340°C
Mold Temperature: 70°C-120°C

Packaging & delivery

PP bag : 25kg/bag (pallet 1000kg)
Note to avoid moisture, insulation and breakage in transportation
Delivery detail : 30 days.

Contact :

Hermess Compounds_Rue De Nabeul ZI M'Ghira 3 _Ben Arous Tunisie

E-mail : resp.laboratoire@gmail.com

Tél : +216 58 597 174 / +216 36 404 520 Fax : +216 36 404 523

The information contained herein is based on our current knowledge and experience. A legally binding promise of certain characteristics or suitability for a concrete individual case cannot be derived from this information. The information here is not intended to release processors and users from the responsibility of carrying out their own tests and inspections in each concrete individual case.