

Generic PPC

Polyphthalate Carbonate

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PPC
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	2.0 - 3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.75 - 0.90	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.16 - 0.19	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	85 - 127		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield, 23°C	65.0 - 65.1	MPa	ISO 527-2
Fracture, 23°C	71.7 - 77.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	78 - 120	%	ASTM D638
Flexural Modulus (23°C)	2030 - 2330	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	95.1 - 97.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	370 - 640	J/m	ASTM D256
Unnotched Izod Impact (23°C)	3200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	143 - 149	°C	ASTM D648
Vicat Softening Temperature	154 - 167	°C	ISO 306
CLTE - Flow	6.0E-5 - 9.2E-5	cm/cm/°C	ASTM E831
Specific Heat (23°C)	1260	J/kg/°C	ASTM C351
RTI Elec	125 - 130	°C	UL 746
RTI Imp	125 - 130	°C	UL 746
RTI	125 - 130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	2.6E+16 - 2.6E+17	ohms · cm	ASTM D257
Dielectric Strength (23°C)	20	kV/mm	ASTM D149
Dielectric Constant (23°C)	3.00 - 3.27		ASTM D150
Dissipation Factor (23°C)	1.2E-3 - 0.024		ASTM D150
Injection	Nominal Value	Unit	
Rear Temperature	327 - 338	°C	

Middle Temperature	338 - 349	°C
Front Temperature	349 - 360	°C
Nozzle Temperature	343 - 354	°C
Processing (Melt) Temp	349 - 360	°C

Injection instructions

This data represents typical values that have been calculated from all products classified as: Generic PPCThis information is provided for comparative purposes only.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

