

CHIMEI

a step up

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Flame Retardant PC WONDERLITE® PC-681U

Product Description: 1.5mm V-0, Opaque,UV Stabilized,UL 746C f1,Low temperature resistance,Opaque

Properties	ISO Test Method	Test Condition	Unit	PC-681U
Melt Flow Index	1133	300°C × 1.2KG	ml/10 min	10
Spiral flow	CHIMEI	260°C,2mm,V:50%,P:50%	cm	-
Mass Density	1183	23 °C	g/cm ³	1.2
Tensile Strength	527	50 mm/min, yield	MPa	60
		50 mm/min, break	MPa	65
Tensile Elongation	527	50 mm/min	%	120
Flexural Strength	178	2 mm/min	MPa	90
Flexural Modulus		2 mm/min	GPa	2.3
Izod Impact Strength	180/1A	23°C, Notched	KJ/m ²	60
		-30°C, Notched	KJ/m ²	45
Charpy Impact Strength	179	23°C, Notched	KJ/m ²	60
		-30°C, Notched	KJ/m ²	45
Vicat Softening Temp.	306	50°C/hr;1KG	°C	150
		50°C/hr;5KG	°C	145
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	125
		1.8MPa, annealed	°C	140
Dielectric Constant	IEC 60250	1MHz	--	3
Volume Resistivity	IEC 60093	--	Ohm X m	6.3E+13
Surface Resistivity	IEC 60093	--	Ohm	6.9E+13
Coefficient of Linear Thermal Expansion	11359	-	-	6.5*10 ⁻⁵
Flammability	-	UL-94	-	1.5mm V-0 3.0mm 5VA
Mold Shrinkage	294-4	-	%	0.4~0.6
Symbol	1043	-	-	>PC<

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Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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