

Flame Retardant PC WONDERLITE® PC-616LS

Product Description: 1.0mm V-0, Low smoke density, Opaque

Properties	ISO Test Method	Test Condition	Unit	PC-616LS
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	70
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, 1/8" Notched	KJ/m ²	60
		-30 °C, 1/8" Notched	KJ/m ²	15
Charpy Impact Strength	179	23 °C, 1/8" Notched	KJ/m ²	60
		-30 °C, 1/8" Notched	KJ/m ²	15
Vicat Softening Temp.	306	1 Kg, 50 °C/hr	°C	150
		5 Kg, 50 °C/hr	°C	145
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	125
		1.8 MPa Annealed	°C	140
Dielectric Constant	IEC 60250	1MHz	--	3
Volume Resistivity	IEC 60093	--	Ohm X m	3.6E+14
Surface Resistivity	IEC 60093	--	Ohm	9.3E+14
Coefficient of Linear Thermal Expansion	11359	-	-	6.7*10-5
Flammability	-	UL-94	-	1.0mm V-0 2.0mm 5VB 3.0mm 5VA
Mold Shrinkage	294-4	-	%	0.4~0.6
Symbol	1043	-	-	>PC<

October 8, 2020

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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