

## 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
<b>Melt Flow Index</b>	1133	300°C × 1.2KG	ml/10 min	10
<b>Spiral flow</b>	CHIMEI	260°C, 2mm, V:50%, P:50%	cm	—
<b>Mass Density</b>	1183	23 °C	g/cm <sup>3</sup>	1.2
<b>Tensile Strength</b>	527	50 mm/min, yield	MPa	60
		50 mm/min, break	MPa	70
<b>Tensile Elongation</b>	527	50 mm/min	%	120
<b>Flexural Strength</b>	178	2 mm/min	MPa	90
<b>Flexural Modulus</b>		2 mm/min	GPa	2.3
<b>Izod Impact Strength</b>	180/1A	23 °C, 1/8" Notched	KJ/m <sup>2</sup>	60
		-30 °C, 1/8" Notched	KJ/m <sup>2</sup>	15
<b>Charpy Impact Strength</b>	179	23 °C, 1/8" Notched	KJ/m <sup>2</sup>	60
		-30 °C, 1/8" Notched	KJ/m <sup>2</sup>	15
<b>Vicat Softening Temp.</b>	306	1 Kg, 50 °C/hr	°C	150
		5 Kg, 50 °C/hr	°C	145
<b>Heat Distortion Temp.</b>	75/A	1.8 MPa Unannealed	°C	125
		1.8 MPa Annealed	°C	140
<b>Dielectric Constant</b>	IEC 60250	1MHz	--	3
<b>Volume Resistivity</b>	IEC 60093	--	Ohm X m	3.6E+14
<b>Surface Resistivity</b>	IEC 60093	--	Ohm	9.3E+14
<b>Coefficient of Linear Thermal Expansion</b>	11359	-	-	6.7*10-5
<b>Flammability</b>	-	UL-94	-	1.0mm V-0 2.0mm 5VB 3.0mm 5VA
<b>Mold Shrinkage</b>	294-4	-	%	0.4~0.6
<b>Symbol</b>	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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