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Flame Retardant PC Alloy WONDERLOY® PC-510

Product Description: High flow

Properties	ISO Test Method	Test Condition	Unit	PC-510
Melt Flow Index	1133	260℃×2.16KG	ml/10 min	21
Spiral flow	CHIMEI	260℃,2mm,V:50%,P:50%	cm	45
Mass Density	1183	23 ℃	g/cm³	1.17
Tensile Strength	527	50 mm/min, yield	MPa	55
		50 mm/min, break	MPa	45
Tensile Elongation	527	50 mm/min	%	110
Flexural Strength	178	2 mm/min	MPa	80
Flexural Modulus		2 mm/min	GPa	2.5
Izod Impact Strength	180/1A	23 ℃,1/8" Notched	KJ/m²	45
		-30 ℃,1/8" Notched	KJ/m²	–
Charpy Impact Strength	179	23 ℃,1/8" Notched	KJ/m²	45
		-30 ℃,1/8" Notched	KJ/m²	–
Vicat Softening Temp.	306	1 Kg,50 ℃/hr	℃	94
		5 Kg,50 ℃/hr	℃	85
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	℃	73
		1.8 MPa Annealed	℃	–
Dielectric Constant	IEC 60250	1MHz	--	3.1
Volume Resistivity	IEC 60093	--	Ohm X m	3.9E+15
Surface Resistivity	IEC 60093	--	Ohm	2.9E+15
Coefficient of Linear Thermal Expansion	11359	-	-	$8*10^{-5}$
Flammability	-	UL-94	-	1.5mm V-0 2.1mm 5VB 3.0mm 5VA
Mold Shrinkage	294-4	-	%	0.4~0.6
Symbol	1043	-	-	>ABS+PC-FR(40)<

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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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