

Flame Retardant PC Alloy WONDERLOY® PC-545

Product Description: Ultra High heat

Properties	ISO Test Method	Test Condition	Unit	PC-545
Melt Flow Index	1133	260°C×2.16KG	ml/10 min	10
Spiral flow	CHIMEI	260°C,2mm,V:50%,P:50%	cm	24.7
Mass Density	1183	23 °C	g/cm ³	1.19
Tensile Strength	527	50 mm/min, yield	MPa	63
		50 mm/min, break	MPa	62
Tensile Elongation	527	50 mm/min	%	107
Flexural Strength	178	2 mm/min	MPa	94
Flexural Modulus		2 mm/min	GPa	2.4
Izod Impact Strength	180/1A	23 °C, 1/8" Notched	KJ/m ²	63
		-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	14
Vicat Softening Temp.	306	1 Kg,50 °C/hr	°C	127
		5 Kg,50 °C/hr	°C	121
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	102
		1.8 MPa Annealed	°C	-
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	-	1.2mm V-0 2.5mm 5VA
Mold Shrinkage	294-4	-	%	0.1~0.3
Symbol	1043	-	-	>ABS+PC-FR(40)<

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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