

Flame Retardant PC Alloy WONDERLOY® PC-540 G60

Product Description: Flame retardant PC/ABS. Post-consumer recycled (PCR) plastic (60%).

Properties	ISO Test Method	Test Condition	Unit	PC-540 G60
Melt Flow Index	1133	260°C×2.16KG	ml/10 min	18
Spiral flow	CHIMEI	260°C,2mm,V:50%,P:50%	cm	–
Mass Density	1183	23 °C	g/cm ³	1.18
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	90
Flexural Modulus		2 mm/min	GPa	2.4
Izod Impact Strength	180/4A	23 °C Notched	KJ/m ²	45
		-30 °C Notched	KJ/m ²	–
Charpy Impact Strength	179	23 °C Notched	KJ/m ²	45
		-30 °C Notched	KJ/m ²	–
Vicat Softening Temp.	306	1 Kg,50 °C/hr	°C	108
		5 Kg,50 °C/hr	°C	–
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	83
		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	--	1.5mm V-0
Mold Shrinkage	294-4	--	%	0.4~0.6
Symbol	1043	--	--	>ABS+PC-FR(40)<

October 1, 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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