

Flame Retardant PC Alloy WONDERLOY® PC-545

Product Description: PC/ABS alloy, non-halogen Flame Retardant, High HDT

Properties	ISO Test Method	Test	Unit	PC-545
Melt Flow Index	1133	260°C×2.16KG	cm ³ /10 min	10
		260°C×5KG	cm ³ /10 min	26
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	180/4A	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	10 N, 50 °C/hr	°C	127
		50 N, 50 °C/hr	°C	121
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	102
		0.45 MPa Unannealed	°C	114
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	--	1.2 mm V-0 2.5 mm 5VA
Mold Shrinkage	294-4	--	%	0.1~0.3
Rockwell hardness test	2039-2	R-scale, 23°C	--	126
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 tests

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