CHIMEI 奇美實業股份有限公司 CHI MEI CORPORATION ORIGINAL
59-1, San Chia, Jen Te, Tainan City 71702, Taiwan TEL : (06)2663000 FAX : (06)2665555-7

Flame Retardant PC Alloy WONDERLOY® PC-540

Product Description: High heat

Properties	ISO Test Method	Test Condition	Unit	PC-540
Melt Flow Index	1133	260℃×2.16KG	ml/10 min	20
Spiral flow	CHIMEI	260℃,2mm,V:50%,P:50%	cm	40
Mass Density	1183	23 ℃	g/cm³	1.18
Tensile Strength	527	50 mm/min, yield	MPa	60
		50 mm/min, break	MPa	55
Tensile Elongation	527	50 mm/min	%	120
Flexural Strength	178	2 mm/min	MPa	90
Flexural Modulus		2 mm/min	GPa	2.5
Izod Impact Strength	180/1A	23 ℃,1/8" Notched	KJ/m²	40
		-30 ℃,1/8" Notched	KJ/m²	–
Charpy Impact Strength	179	23 ℃,1/8" Notched	KJ/m²	40
		-30 ℃,1/8" Notched	KJ/m²	–
Vicat Softening Temp.	306	1 Kg,50 ℃/hr	℃	107
		5 Kg,50 ℃/hr	℃	101
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	℃	83
		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 2.0mm 5VB 3.0mm 5VA
Mold Shrinkage	294-4	-	%	0.4~0.6
Symbol	1043	-	-	>ABS+PC-FR(40)<

August 10, 2020

Notes：These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

The above statement is based on our current level of knowledge and covers the above products directly manufactured and supplied by CHI MEI CORPORATION at the date of issue. CHI MEI CORPORATION makes no warranties, whether express or implied, and assumes no liability in connection with any use of above information. Notwithstanding the foregoing, CHI MEI CORPORATION shall in no event be held obligated or liable for any claims due to or arising from (i) any customer provided, consigned, materials and/or parts, which are incorporated or adopted in the products; (ii) any combination of the products with material not provided or authorized by our company; (iii) any modifications to the products which are made or directed by customer; (iv) our compliance with the specifications, instructions, and/or designs provided by customer; (v) any anti-trust, unfair competition and/or other unlawful actions effected by customer; or (vi) any defects, infringement, breach and/or violation which are arising out of customer's faults or otherwise not solely and directly attributable to CHI MEI CORPORATION. In no event will CHI MEI CORPORATION be liable for any indirect, special, exemplary, punitive, or consequential damages (including lost profits) of any nature whatsoever whether arising out of the purchase, shipment, unloading, handling, or use of any product or otherwise.