

Flame Retardant PC Alloy WONDERLOY® PC-545

產品敘述: PC/ABS alloy, non-halogen Flame Retardant, High HDT

物性	ISO 測試方法	測試條件	單位	PC-545
熔融指數	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
比重	1183	23 °C	g/cm ³	1.19
拉伸強度	527	50 mm/min, yield	MPa	63
		50 mm/min, break	MPa	62
延伸率	527	50 mm/min	%	107
彎曲強度	178	2 mm/min	MPa	94
彎曲彈性模數		2 mm/min	GPa	2.4
IZOD 衝擊強度	180/4A	23 °C, 1/8" Notched	KJ/m ²	63
		-30 °C, 1/8" Notched	KJ/m ²	15
Charpy 衝擊強度	179	23 °C, 1/8" Notched	KJ/m ²	60
		-30 °C, 1/8" Notched	KJ/m ²	14
維氏軟化溫度	306	10 N,50 °C/hr	°C	127
		50 N,50 °C/hr	°C	121
熱變形溫度	75/A	1.8 MPa Unannealed	°C	102
		0.45 MPa Unannealed	°C	114
介電系數	IEC 60250	1MHz	--	3.1
體積電阻率	IEC 60093	--	Ohm X m	3.9E+15
表面電阻率	IEC 60093	--	Ohm	2.9E+15
線膨脹係數	11359	--	--	8*10 ⁻⁵
燃燒等級	--	UL-94	--	1.2 mm V-0 2.5 mm 5VA
成型收縮率	294-4	--	%	0.1~0.3
洛氏硬度	2039-2	R-scale, 23°C	--	126
標記	1043	--	--	> ABS+PC- FR(40)<

September 1, 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.