HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

WONDERLOY® PC-540

PC alloy, non-halogen Flame Retardant

PROPERTIES	CONDITION	VALUE	UNIT	METHOD
PHYSICAL				
Melt Flow Index	260℃/2.16kg	21	g/10min	ASTM D-1238
Spiral Flow Length	260℃,2mm V:50%, P:50%	40	cm	Chimei method
Specific Gravity	23℃	1.18	---	ASTM D-792
Mold Shrinkage		0.4~0.6	%	ASTM D-955
Rockwell Hardness	23℃	R-119	---	ASTM D-785
CLTE	Flow:23-55℃	8.00E-05	cm/cm/℃	ISO11359-2
MECHANICAL				
Tensile Strength @ Yield	50mm/min	600	kg/cm^2	ASTM D-638
Tensile Elongation @ Break	50mm/min	100	%	ASTM D-638
Flexural Strength	1.3mm/min	900	kg/cm^2	ASTM D-790
Flexural Modulus	1.3mm/min	25000	kg/cm^2	ASTM D-790
Izod Impact（1/8”）	Notched, 23℃	52	kg-cm/cm	ASTM D-256
THERMAL				
Heat Distortion Temp.（unannealed）	3.2mm,1.82Mpa 120℃/hr	86	℃	ASTM D-648
	6.4mm,1.82Mpa 120℃/hr	95		
Vicat Softening Temp.（unannealed）	1kg, 50℃/hr	107	℃	ASTM D-1525
	5kg, 50℃/hr	101		
ELECTRICAL				
Dielectric Constant	1MHz	3.1	--	IEC 60250
Volume Resistivity	--	3.9E+17	Ohm*m	IEC 60093
Surface Resistivity	--	2.9E+17	Ohm	IEC 60093
FLAMMABILITY				
Flame Rating_V0		1.5	mm	UL-94
Flame Rating_5VB		2.0	mm	UL-94

CHIMEI

奇美實業股份有限公司

CHI MEI CORPORATION

PROCESSING PARAMETERS

Drying Temperature	90	℃
Drying Time	4	Hrs
Barrel Temperature	220~250	℃
Mold Temperature	50~100	℃