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CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

WONDERLOY® PC-345

PC/ABS alloy, High flow

PROPERTIES	CONDITION	VALUE	UNIT	METHOD
PHYSICAL				
Melt Flow Index	260℃/5kg	19	g/10min	ASTM D-1238
Spiral Flow Length	260℃,2mm V:50%, P:50%	43	cm	Chimei method
Specific Gravity	23℃	1.10	---	ASTM D-792
Mold Shrinkage		0.4~0.6	%	ASTM D-955
Rockwell Hardness	23℃	R-108	---	ASTM D-785
CLTE	Flow:23-55℃	8.50E-05	cm/cm/℃	ISO11359-2
MECHANICAL				
Tensile Strength @ Yield	50mm/min	500	kg/cm^2	ASTM D-638
Tensile Strength @ Break	50mm/min	-	kg/cm^2	ASTM D-638
Tensile Elongation @ Yield	50mm/min	-	%	ASTM D-638
Tensile Elongation @ Break	50mm/min	85	%	ASTM D-638
Flexural Strength	1.3mm/min	750	kg/cm^2	ASTM D-790
Flexural Modulus	1.3mm/min	23000	kg/cm^2	ASTM D-790
Izod Impact（1/8”）	Notched, 23℃	50	kg-cm/cm	ASTM D-256
Izod Impact（1/8”）	Notched,-30℃	45	kg-cm/cm	ASTM D-256
THERMAL				
Heat Distortion Temp.（unannealed）	3.2mm,1.82Mpa 120℃/hr	95	℃	ASTM D-648
	6.4mm,1.82Mpa 120℃/hr	105		
Vicat Softening Temp.（unannealed）	1kg, 50℃/hr	125	℃	ASTM D-1525
	5kg, 50℃/hr	110		
ELECTRICAL				
Dielectric Constant	1MHz	3.1	--	IEC 60250
Volume Resistivity	--	1E+16	Ohm*m	IEC 60093
Surface Resistivity	--	1E+16	Ohm	IEC 60093
FLAMMABILITY				
Flame Class Rating		1.5 mm HB		UL-94

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PROCESSING PARAMETERS

Drying Temperature	80~100	℃
Drying Time	4	Hrs
Barrel Temperature	230~270	℃
Mold Temperature	50~100	℃