

# CHIMEI

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CHI MEI CORPORATION

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## WONDERLOY<sup>®</sup> PC-6610

PC, non-halogen Flame Retardant

PROPERTIES	CONDITION	VALUE	UNIT	METHOD
<b><u>PHYSICAL</u></b>				
Specific Gravity	23°C	1.2	---	ASTM D-792
Melt Flow Index	300°C/1.2kg	10	g/10min	ASTM D-1238
Mold Shrinkage	3.2mm	0.1~0.3	%	ASTM D-955
Rockwell Hardness	23°C	R-122	---	ASTM D-785
<b><u>MECHANICAL</u></b>				
Tensile Strength @ Yield	6mm/min	600	kg/cm <sup>2</sup>	ASTM D-638
Tensile Elongation @ Break	6mm/min	100	%	ASTM D-638
Flexural Strength	1.3mm/min	920	kg/cm <sup>2</sup>	ASTM D-790
Flexural Modulus	1.3mm/min	24,000	kg/cm <sup>2</sup>	ASTM D-790
Izod Impact ( 1/8" )	Notched, 23°C	85	kg-cm/cm	ASTM D-256
<b><u>THERMAL</u></b>				
Heat Distortion Temp. ( unannealed )	120°C/hr	125	°C	ASTM D-648
Vicat Softening Temp. ( unannealed )	1kg, 50°C/hr	148	°C	ASTM D-1525
<b><u>FLAMMABILITY</u></b>				
Flame Rating_V0		1.5	mm	UL-94
<b><u>PROCESSING PARAMETERS</u></b>				
Drying Temperature		120	°C	
Drying Time		4	Hrs	
Barrel Temperature		270~300	°C	
Mold Temperature		70~100	°C	

All figures listed here is for reference, not guaranteed.

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