

## Non-flame Retardant PC Alloy WONDERLOY® PC-860

Product Description: PC/ASA, UL 746C f1, UV Stabilized

Properties	ISO Test Method	Test Condition	Unit	PC-860
Melt Flow Index	1133	260°C×2.16KG	ml/10 min	7
		260°C×5KG		22
Spiral flow	CHIMEI	260°C, 2mm, V: 50%, P: 50%	cm	38
Mass Density	1183	23 °C	g/cm <sup>3</sup>	1.13
Tensile Strength	527	50 mm/min, yield	MPa	53
		50 mm/min, break		55
Tensile Elongation	527	50 mm/min	%	110
Flexural Strength	178	2 mm/min	MPa	80
Flexural Modulus		2 mm/min	GPa	2.2
Izod Impact Strength	180/1A	23°C, Notched	KJ/m <sup>2</sup>	45
		-30°C, Notched		15
Charpy Impact Strength	179	23°C, Notched	KJ/m <sup>2</sup>	45
		-30°C, Notched		15
Vicat Softening Temp.	306	50°C/hr; 1KG	°C	137
		50°C/hr; 5KG		122
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	104
Dielectric Constant	IEC 60250	1MHz	--	3.1
Volume Resistivity	IEC 60093	--	Ohm X m	1E+16
Surface Resistivity	IEC 60093	--	Ohm	1E+16
Coefficient of Linear Thermal Expansion	11359	-	-	8*10 <sup>-5</sup>
Flammability	-	UL-94	-	1.5mm HB
Weatherability	-	UL 746C	-	f1
Mold Shrinkage	294-4	-	%	0.4~0.6
Symbol	1043	-	-	>PC+ASA<

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

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