

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 260°C×5KG	ml/10 min	7 22
Spiral flow	CHIMEI	260°C, 2mm, V:50%, P:50%	cm	38
Mass Density	1183	23 °C	g/cm ³	1.13
Tensile Strength	527	50 mm/min, yield 50 mm/min, break	MPa	53 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 -30°C, Notched	KJ/m ²	45 15
Charpy Impact Strength	179	23°C, Notched -30°C, Notched	KJ/m ²	45 15
Vicat Softening Temp.	306	50°C/hr;1KG 50°C/hr;5KG	°C	137 122
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 ⁻⁵
Flammability	-	UL-94	-	1.5mm HB
Weatherability	-	UL 746C	-	f1
Mold Shrinkage	294-4	-	%	0.4~0.6
Symbol	1043	-	-	>PC+ASA<

June 29, 2023

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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