

Flame Retardant PC Alloy WONDERLOY® PC-990

Product Description: PC/ASA, 1.5mm V-0, UL 746C f1, UV Stabilized, Ultra-High heat, High impact

Properties	ISO Test Method	Test Condition	Unit	PC-990
Melt Flow Index	1133	260°C×2.16KG 260°C×5KG	ml/10 min	8 21
Spiral flow	CHIMEI	260°C, 2mm, V:50%, P:50%	cm	15.3
Mass Density	1183	23 °C	g/cm ³	1.20
Tensile Strength	527	50 mm/min, yield 50 mm/min, break	MPa	55 60
Tensile Elongation	527	50 mm/min	%	135
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	65 20
Charpy Impact Strength	179	23°C, Notched -30°C, Notched	KJ/m ²	65 20
Vicat Softening Temp.	306	50°C/hr; 1KG 50°C/hr; 5KG	°C	128 122
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	102
Dielectric Constant	IEC 60250	1MHz	--	3.1
Volume Resistivity	IEC 60093	--	Ohm X m	1E+15
Surface Resistivity	IEC 60093	--	Ohm	1.2E+15
Coefficient of Linear Thermal Expansion	11359	-	-	6.9*10 ⁻⁵
Flammability	-	UL-94	-	1.5mm V-0 3.0mm 5VA
Weatherability	-	UL 746C	-	f1
Mold Shrinkage	294-4	-	%	0.4~0.6
Symbol	1043	-	-	>PC+ABS-FR(40)<

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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