

CHIMEI

a step up

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High Flow PC WONDERLITE® PC-175

Product Description: High Flow Polycarbonate

Properties	ISO Test Method	Test Condition	Unit	PC-175
Melt Flow Index	1133	300°C × 1.2KG	ml/10 min	65
Mass Density	1183	23 °C	g/cm ³	1.2
Tensile Strength	527	50 mm/min, yield	MPa	60
		50 mm/min, break	MPa	50
Tensile Elongation	527	50 mm/min	%	65
Flexural Strength	178	2 mm/min	MPa	90
Flexural Modulus		2 mm/min	GPa	2.4
Izod Impact Strength	180/1A	23°C, Notched,1/8"	KJ/m ²	8
		-30°C, Notched,1/8"	KJ/m ²	-
Charpy Impact Strength	179	23°C, Notched	KJ/m ²	10
		Charpy -30°C, Notched	KJ/m ²	-
Vicat Softening Temp.	306	50°C/hr;1KG	°C	145
		50°C/hr;5KG	°C	140
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	124
		1.8MPa, annealed	°C	140
Coefficient of Linear Thermal Expansion	11359	-	-	6.0~8.0x10 ⁻⁵
Flammability	-	UL-94	-	-
Mold Shrinkage	294-4	-	%	0.5~0.7
Symbol	1043	-	-	>PC<

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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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