

CHIMEI

a step up

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Ecologue PCR PC PC-145K M50

Product Description: 0.5mm V-2, PCR content 50%, High flow

Properties	ISO Test Method	Test Condition	Unit	PC-145K M50
Melt Flow Index	1133	300°C × 1.2KG	ml/10 min	35
Spiral flow	CHIMEI	260°C, 2mm, V:50%, P:50%	cm	-
Mass Density	1183	23 °C	g/cm ³	1.2
Tensile Strength	527	50 mm/min, yield	MPa	62
		50 mm/min, break	MPa	55
Tensile Elongation	527	50 mm/min	%	100
Flexural Strength	178	2 mm/min	MPa	90
Flexural Modulus		2 mm/min	GPa	2.2
Izod Impact Strength	180/1A	23°C, Notched, 1/8"	KJ/m ²	50
		-30°C, Notched, 1/8"	KJ/m ²	-
Charpy Impact Strength	179	23°C, Notched	KJ/m ²	50
		Charpy -30°C, Notched	KJ/m ²	-
Vicat Softening Temp.	306	50°C/hr; 1KG	°C	150
		50°C/hr; 5KG	°C	-
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	120
		1.8MPa, annealed	°C	-
Dielectric Constant	IEC 60250	1MHz	--	-
Volume Resistivity	IEC 60093	--	Ohm X m	-
Surface Resistivity	IEC 60093	--	Ohm	-
Coefficient of Linear Thermal Expansion	11359	-	-	6.0~8.0x10 ⁻⁵
Flammability	-	UL-94	-	0.5mm V-2
Mold Shrinkage	294-4	-	%	0.5~0.7
Symbol	1043	-	-	>PC (REC50)<

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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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