

## Optical PC WONDERLITE® Characteristics PC-175

Product Description: CD-ROM

DVD-ROM

Properties	ISO Test Method	Test Condition	Unit	Optical PC-175
Melt Flow Index	1133	300°C × 1.2KG	ml/10 min	65
Mass Density	1183	23 °C	g/cm <sup>3</sup>	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	180/4A	23 °C Notched	KJ/m <sup>2</sup>	8
		-30 °C Notched	KJ/m <sup>2</sup>	-
Charpy Impact Strength	179	23 °C Notched	KJ/m <sup>2</sup>	10
		-30 °C Notched	KJ/m <sup>2</sup>	-
Vicat Softening Temp.	306	1 Kg, 50 °C/hr	°C	145
		5 Kg, 50 °C/hr	°C	140
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	124
		1.8 MPa Annealed	°C	140
Coefficient of Linear Thermal Expansion	11359	-	-	6.0~8.0x10 <sup>-5</sup>
Flammability	-	UL-94	-	-
Mold Shrinkage	294-4	-	%	0.5~0.7
Symbol	1043	-	-	>PC<

November 2, 2014

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

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