

# CHIMEI

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## Typical Properties of WONDERLITE® PC

Properties	ISO	Din	Unit	Test Method	WONDERLITE® PC	
					Optical Disk	
					PC-175	PC-175D
MVI	1133		cm <sup>3</sup> /10 min	300°C ×1.2 Kg	50	65
Vicat Softening Temp.	306	53460	°C	1 Kg, 50°C/hr	147	145
			°C	5 Kg, 50°C/hr	142	140
H.D.T	75	53461	°C	1.80MPa, unanneal	125	124
			°C	1.80MPa, anneal	140	140
Izod Impact Strength	180/1A	—	KJ/m <sup>2</sup>	1/8" notched	10	8
	180/1U	—		1/8" unnotched	—	—
Charpy Impact Strength	179	—	KJ/m <sup>2</sup>	Notched	15	10
		—		Unnotched	—	—
Tensile Strength	527	53455	MPa	50mm/min,yield	63	60
			MPa	50mm/min,break	60	50
Tensile Elongation	527	53455	%	50mm/min	65	65
Flexural Strength	178	53452	MPa	2mm/min	90	90
Flexural Modulus	178	53452	MPa	2mm/min	2400	2400
Ball Indentation Hardness	2039-1	53456	N/mm <sup>2</sup>	H358/30	104	106
Flammability			—	UL-94	—	—
Mass Density	1183	53479-A	g/cm <sup>3</sup>		1.2	1.2
Characteristics/Principal Applications					Optical Disk	Optical Disk

Note : This Technical data sheet shown above is for reference only.