

Typical Properties of WONDERLITE® PC-175 :

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Typical Properties		Test Method	Unit	Condition	PC-175
Melt Flow Index		ASTM D1238	g/10min	300°C, 1.2 kg	62
Specific Gravity		ASTM D792	-	23/23°C	1.20
Water Absorption (immersion)		ASTM D570	%	24hr at 23°C	0.20
Light Transmission		ASTM D1003	%	3 mm thick	89
Haze		ASTM D1003	%	3.2 mm thick	< 0.8
Refractive Index		ASTM D542	-	-	1.585
Tensile Strength at Yield		ASTM D638	Kg/cm ²	23°C	650
Tensile Elongation	Yield	ASTM D638	%	23°C	6
	Break				70
Flexural Strength		ASTM D790	Kg/cm ²	23°C	920
Flexural Modulus		ASTM D790	Kg/cm ²	23°C	24000
Rockwell Hardness		ASTM D785	M Scale	-	M-77
Coefficient of Linear Expansion		ASTM D696	x10 ⁻⁵ cm/cm/°C	40~100°C	6~8
Thermal Conductivity		ASTM C177	W/m°C	-	0.2
Mold Shrinkage		ASTM D955	%	parallel	0.5-0.7
				across	0.5-0.7
Volume Resistivity		ASTM D257	x10 ¹⁶ Ω • cm	-	3
Characteristics/Principal Applications					Optical Disc

Note : The data shown above are provided for guidance purposes.