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Typical Properties of WONDERLITE® PC-115：

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Typical Properties		Test Method	Unit	Condition	PC-115
Melt Flow Index		ASTM D1238	g/10min	300℃, 1.2 kg	15
Specific Gravity		ASTM D792	-	23/23℃	1.20
Water Absorption (immersion)		ASTM D570	%	24hr at 23℃	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	1/8",6 mm/min	630
Tensile Elongation	Yield	ASTM D638	%	1/8",6 mm/min	6
	Break			1/8",6 mm/min	110
Flexural Strength		ASTM D790	Kg/cm^2	1/4",2.8 mm/min	920
Flexural Modulus		ASTM D790	Kg/cm^2	1/4",2.8 mm/min	24000
Izod Impact Strength (Notched)		ASTM D256	Kg · cm/cm	1/8"	87
Rockwell Hardness		ASTM D785	M Scale	-	M-77
Compressive Strength		ASTM D695	Kg/cm^2	-	780
Heat Distortion Temperature (unannealed)		ASTM D648	℃	4.6 Kg/cm^2, 120℃/hr	136
				18.6 Kg/cm^2, 120℃/hr	125
Vicat Softening Temperature		ASTM D1525	℃	1 Kg, 50℃/hr	150
Coefficient of Linear Expansion		ASTM D696	$x10^{-5}$ cm/cm/℃	40~100℃	6~8
Thermal Conductivity		ASTM C177	W/m℃	-	0.2
Mold Shrinkage		ASTM D955	%	parallel	0.5-0.7
				across	0.5-0.7
Flammability		UL 94	-	-	2.5mm V-2
Volume Resistivity		ASTM D257	$x10^{16}\ \Omega$ • cm	-	3
Dielectric Constant		ASTM D150	-	60 Hz	2.95
				10^6 Hz	2.9
Dielectric Dissipation Factor (tan δ)		ASTM D150	-	60 Hz	0.0004
				10^6 Hz	0.009
Dielectric Breakdown Strength		ASTM D149	kV/mm	1.6mm	30
Arc Resistance (Tungsten electrode)		ASTM D495	sec	-	110
Characteristics/Principal Applications					**Low Viscosity**

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