

CHIMEI

奇美實業股份有限公司

CHI MEI CORPORATION

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Typical Properties of WONDERLITE® PC

Properties	ISO	Din	Unit	Test Method	WONDERLITE® PC									
					Extrusion		General Purpose			UV Resistant			SAE Approved	Flame Retardant
					PC-108	PC-108U	PC-110	PC-115	PC-122	PC-110U	PC-115U	PC-122U	PC-110L	PC-110V
Melt Volume-Flow Rate	1133		cm ³ /10 min	300℃×1.2 Kg	6.5	6.5	10	15	22	10	15	22	10	10
Vicat Softening Temp.	306	53460	℃	1 Kg, 50℃/hr	150	148	150	150	150	148	148	148	148	150
			℃	5 Kg, 50℃/hr	145	143	145	145	145	143	143	143	143	145
H.D.T	75	53461	℃	1.80MPa, unanneal	128	127	128	128	128	127	127	127	127	128
			℃	1.80MPa, anneal	143	142	143	143	143	142	142	142	142	143
Izod Impact Strength	180/1A	—	KJ/m ²	1/8" notched	80	80	80	75	70	80	75	70	80	80
	180/1U	—		1/8" unnotched	—	—	—	—	—	—	—	—	—	—
Charpy Impact Strength	179	—	KJ/m ²	Notched	75	75	75	70	60	75	70	60	75	75
		—		Unnotched	—	—	—	—	—	—	—	—	—	—
Tensile Strength	527	53455	MPa	50mm/min,yield	65	65	65	64	63	65	64	63	65	65
			MPa	50mm/min,break	75	75	75	70	70	75	70	70	75	75
Tensile Elongation	527	53455	%	50mm/min	120	120	120	120	120	120	120	120	120	120
Flexural Strength	178	53452	MPa	2mm/min	90	90	90	90	90	90	90	90	90	90
Flexural Modulus	178	53452	MPa	2mm/min	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
Ball Identation Hardness	2039-1	53456	N/mm ²	H358/30	100	100	100	101	102	100	101	102	100	100
Flammability			—	UL-94	1.5mm HB 3.0mm HB	1.5mm HB 3.0mm HB	1.5mm V-2 1.5mm V-2 2.5mm V-2	0.4mm V-2 1.5mm V-2 2.5mm V-2	1.6mm V-2 3.2mm V-2	0.75mm V-2 1.5mm V-2	0.75mm V-2 1.5mm V-2	0.75mm V-2 3.0mm V-2	1.5mm V-2	1.5mm V-2 3.0mm V-2 6.0mm V-0
Mass Density	1183	53479-A	g/cm ³		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Characteristics/Principal Applications					High Viscosity	UV Stabilized	Medium Viscosity	Low Viscosity	High Flow	UV Stabilized	UV Stabilized	UV Stabilized	SAE Approved	3.0mm V-2

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