

CHIMEI

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CHI MEI CORPORATION

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Typical Properties of WONDERLOY® PC/ABS

Properties	ISO	Din	Unit	Test Method	Wonderloy PC/ABS				
					Flame Retardant		General		
					PC-510	PC-540	PC-345	PC-365	PC-385
Melt Volume-Flow Rate	1133		cm ³ /10 min	260°C×2.16kg	23.5	23.5	—	—	—
				260°C×3.8kg	—	—	13	13	13
Spiral flow length	-	-	mm	CHIMEI method	—	—	119	98	83
Vicat Softening Temp.	306	53460	°C	1 Kg, 50°C/hr	95	106	125	136	139
			°C	5 Kg, 50°C/hr	88	99	110	123	129
H.D.T	75	53461	°C	1.80MPa, unanneal	76	85	95	106	108
			°C	1.80MPa, anneal	87	96	106	117	119
Izod Impact Strength	180/1A	—	KJ/m ²	1/8" notched	50	43	39	45	55
	180/1U	—		1/8" unnotched	—	—	—	—	—
Charpy Impact Strength	179	—	KJ/m ²	Notched	—	—	—	—	—
				Unnotched	—	—	—	—	—
Tensile Strength	527	53455	MPa	50mm/min,yield	57	64	45	50	50
			MPa	50mm/min,break	45	53	39	46	46
Tensile Elongation	527	53455	%	50mm/min	55	95	80	80	85
Flexural Strength	178	53452	MPa	2mm/min	91	98	75	80	80
Flexural Modulus	178	53452	MPa	2mm/min	2600	2500	2300	2300	2350
Ball Indentation Hardness	2039-1	53456	N/mm ²	H358/30	—	—	—	—	—
Flammability			—	UL-94	1.5mm V-0 2.0mm 5VB 3.0mm 5VA	1.5mm V-0 2.0mm 5VB	1.5mm HB 3.0mm HB	1.5mm HB 3.0mm HB	1.5mm HB 3.0mm HB
Mass Density	1183	53479-A	g/cm ³		1.17	1.18	1.10	1.13	1.14
Characteristics/Principal Applications					High Flow	High Heat	High Flow	High Heat Medium Impact	High Heat High Impact

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