

Chi Mei[®] D-2400

Chi Mei[®] D - 2400 is a pellet - shaped, high - heat - resistance - grade ABS material for injection molding with an HB flame retardancy rating, featuring medium impact resistance and high heat resistance.

Physical property		Standard	Value	Unit
Density	23°C	ISO 1183	1.06	g/cm ³
Density	23°C	ASTM D792	1.06	g/cm ³
Shrinkage		ISO 294	0.3~0.6	%
Melt Index	220°C 10kg	ISO 1133	6.0	cm ³ /10min
Melt Index	220°C 10kg	ASTM D1238	5.5	g/10min
Hardness		Standard	Value	Unit
Rockwell Hardness	R(Scale)	ASTM D785	115	
Rockwell Hardness	R(Scale) 12.7mm	ASTM D785	115	
Mechanical behavior		Standard	Value	Unit
Tensile Strength	50mm/min	ISO 527	43	MPa
Tensile Strength	6mm/min 3.2mm	ASTM D638	445	kg/cm ²
Elongation	50mm/min	ISO 527	40	%
Elongation	6mm/min 3.2mm	ASTM D638	20	%
Flexural Strength	2.0mm/min	ISO 178	67	MPa
Flexural Strength	2.8mm/min 6.4mm	ASTM D790	755	kg/cm ²
Flexural Modulus	2.0mm/min	ISO 178	2.5	GPa
Flexural Modulus	2.8mm/min 6.4mm	ASTM D790	27000	kg/cm ²
Izod Notch Impact	23°C 4.0mm	ISO 180	10	kJ/m ²
Izod Notch Impact	23°C 6.4mm	ASTM D256	12	kg-cm/cm
Charpy Notch Impact	23°C 4.0mm	ISO 179	11	kJ/m ²
Thermal		Standard	Value	Unit
HDT	Annealed 1.8MPa	ISO 75	117	°C
HDT	Unannealed 1.8MPa	ISO 75	97	°C
HDT	Unannealed 1.8MPa 120°C/hr	ASTM D648	105	°C
Vicat Softening Temperature	50°C/hr 10N	ISO 306	124	°C
Vicat Softening Temperature	50°C/hr 3.2mm	ASTM D1525	124	°C
Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5~1.7mm	UL94	HB	