

POLYLAC PA-756H

ABS

CHIMEI Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	80	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	8	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mechanical properties			
ISO Data			
Yield stress	45	MPa	ISO 527
Stress at break	33	MPa	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	65	MPa	ISO 178
Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	8	kJ/m ²	ISO 180/1A
Izod notched impact strength	5	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
ASTM Data			
Tensile Strength at Yield	39.2	MPa	ASTM D 638
Flexural Modulus	2256	MPa	ASTM D 790
Flexural Strength	62.8	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Izod Impact notched, 1/8 in	98	J/m	ASTM D 256
Izod Impact notched, 1/4 in	88.3	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	82	°C	ISO 75-1/-2
Vicat softening temperature, A	102	°C	ISO 306
Vicat softening temperature, B	95	°C	ISO 306
Coeff. of linear therm. expansion, parallel	89	E-6/K	ISO 11359-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	85	°C	ASTM D 648
Vicat Temperature	105	°C	ASTM D 1525
Other properties			
Density	1050	kg/m ³	ISO 1183
Density	1050	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

Asia Pacific