

POLYLAC PA-764

ABS

CHIMEI Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	28	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	3.2	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mechanical properties			
ISO Data			
Yield stress	36	MPa	ISO 527
Stress at break	27	MPa	ISO 527
Flexural modulus, 23°C	1700	MPa	ISO 178
Flexural strength	55	MPa	ISO 178
Charpy notched impact strength, +23°C	13	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	7	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	13	kJ/m ²	ISO 180/1A
Izod notched impact strength	7	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
ASTM Data			
Tensile Strength at Yield	36.2	MPa	ASTM D 638
Flexural Modulus	1931	MPa	ASTM D 790
Flexural Strength	57.6	MPa	ASTM D 790
Rockwell Hardness	R 96	-	ASTM D 785
Izod Impact notched, 1/8 in	139	J/m	ASTM D 256
Izod Impact notched, 1/4 in	117	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	101	°C	ISO 306
Vicat softening temperature, B	90	°C	ISO 306
Coeff. of linear therm. expansion, parallel	84.6	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	78.9	°C	ASTM D 648
Vicat Temperature	97.2	°C	ASTM D 1525
Electrical properties			
ASTM Data			
Arc Resistance	30	s	ASTM D 495
Other properties			
Density	1190	kg/m ³	ISO 1183
Density	1190	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets

Applications

IT / Business Machine, Electrical and Electronical

Additives

Antiblocking agent

Regional Availability

Asia Pacific

Special Characteristics

Flame retardant, Light stabilized or stable to light, U.V. stabilized or stable to weather, Heat stabilized or stable to heat