

**POLYLAC PA-757G J08**

ABS

CHIMEI Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	29	cm <sup>3</sup> /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	2.7	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Yield stress	42	MPa	ISO 527
Stress at break	32	MPa	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	63	MPa	ISO 178
Charpy notched impact strength, +23°C	20	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	19	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Yield	39.3	MPa	ASTM D 638
Flexural Modulus	2206	MPa	ASTM D 790
Flexural Strength	63.4	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	262	J/m	ASTM D 256
Izod Impact notched, 1/4 in	230	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	97 <sup>[ann.]</sup>	°C	ISO 75-1/-2
Vicat softening temperature, A	105	°C	ISO 306
Vicat softening temperature, B	99	°C	ISO 306
Coeff. of linear therm. expansion, parallel	79	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	86.7	°C	ASTM D 648
Vicat Temperature	105	°C	ASTM D 1525

ann.: annealed

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1040	kg/m <sup>3</sup>	ISO 1183
Density	1050	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	80 - 85	°C	-
Pre-drying - Time	3 - 4	h	-
Mold temperature	80 - 120	°C	-
Feed temperature	180 - 220	°C	-
Zone 1	190 - 230	°C	-
Nozzle temperature	190 - 230	°C	-

**Characteristics**

## POLYLAC PA-757G J08

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### Processing

Injection Molding

### Delivery form

Pellets, Black

### Features

High Gloss

### Applications

IT / Business Machine, Electrical and Electronical

### Regional Availability

Asia Pacific