

**POLYLAC PA-757 A01**

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	18	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	1.8	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	47	MPa	ISO 527
Stress at break	35	MPa	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Charpy notched impact strength, +23°C	17	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	17	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength	46.1	MPa	ASTM D 638
Flexural Modulus	2600	MPa	ASTM D 790
Flexural Strength	78.5	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Izod Impact notched, 1/8 in	198	J/m	ASTM D 256
Izod Impact notched, 1/4 in	176	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	98 <sup>[ann.]</sup>	°C	ISO 75-1/-2
Vicat softening temperature, A	106	°C	ISO 306
Vicat softening temperature, B	102	°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	1.6	mm	-
Yellow Card available	yes	-	-
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	87.2	°C	ASTM D 648
Vicat Temperature	104	°C	ASTM D 1525
ann.: annealed			
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Arc Resistance	30	s	ASTM D 495
<b>Other properties</b>			
Density	1070	kg/m <sup>3</sup>	ISO 1183
Density	1060	kg/m <sup>3</sup>	ASTM D 792
Color L	92	-	CIE
Color a	-0.02	-	CIE
Color b	-0.82	-	CIE
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80 - 85	°C	-
Pre-drying - Time	2 - 4	h	-

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Mold temperature	<b>30 - 70</b>	°C	-
Feed temperature	<b>180 - 220</b>	°C	-
Zone 1	<b>190 - 230</b>	°C	-
Nozzle temperature	<b>190 - 230</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

Packaging

**Delivery form**

Pellets, White

**Regional Availability**

Asia Pacific

**Features**

High Gloss