



# SHANNON INDUSTRIAL CORP

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## POLYLAC PA-726M - ABS

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	27	cm <sup>3</sup> /10min	ISO 1133
Temperature	220	°C	-
Load	1	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	2.1	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	0.5	kg	-
Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	42	MPa	ISO 527
Stress at break	35	MPa	ISO 527
Flexural modulus, 23°C	2050	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	27	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	25	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	12	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-
Ball indentation hardness	97	MPa	ISO 2039-1
<b>ASTM Data</b>			
Tensile Strength	38	MPa	ASTM D 638
Flexural Modulus	2139	MPa	ASTM D 790
Flexural Strength	58	MPa	ASTM D 790
Rockwell Hardness	R 112	-	ASTM D 785
Izod Impact notched, 1/8 in	265	J/m	ASTM D 256
Izod Impact notched, 1/4 in	245	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	86	°C	ISO 75-1/-2
Vicat softening temperature, A	102	°C	ISO 306
Vicat softening temperature, B	95	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
Vicat Temperature	105	°C	ASTM D 1525
Other properties	Value	Unit	Test Standard
Density	1040	kg/m <sup>3</sup>	ISO 1183
Density	1040	kg/m <sup>3</sup>	ASTM D 792