



# SHANNON INDUSTRIAL CORP

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## POLYLAC PA-718 - ABS

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	23	cm <sup>3</sup> /10min	ISO 1133
Temperature	220	°C	-
Load	1	kg	-
Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	53	MPa	ISO 527
Stress at break	44	MPa	ISO 527
Flexural modulus, 23°C	1900	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	6	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	6	kJ/m <sup>2</sup>	ISO 180/1A
Ball indentation hardness	108	MPa	ISO 2039-1
Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	85	°C	ISO 75-1/-2
Vicat softening temperature, A	100	°C	ISO 306
Vicat softening temperature, B	96	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Other properties	Value	Unit	Test Standard
Density	1140	kg/m <sup>3</sup>	ISO 1183

### Applications

General Purpose