



POLYLAC PA-709P - ABS

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8.5	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	1	kg	-
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	45	MPa	ISO 527
Stress at break	36	MPa	ISO 527
Flexural modulus, 23°C	1900	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	27	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	27	kJ/m ²	ISO 180/1A
Ball indentation hardness	86	MPa	ISO 2039-1
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Vicat softening temperature, A	103	°C	ISO 306
Vicat softening temperature, B	95	°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	1030	kg/m ³	ISO 1183

Applications

General Purpose