



## POLYLAC PA-765A - ABS

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	46	cm <sup>3</sup> /10min	ISO 1133
Temperature	220	°C	-
Load	1	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	4.8	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	0.5	kg	-
Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	40	MPa	ISO 527
Stress at break	28	MPa	ISO 527
Flexural modulus, 23°C	1700	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
Ball indentation hardness	81	MPa	ISO 2039-1
<b>ASTM Data</b>			
Tensile Strength	39.1	MPa	ASTM D 638
Flexural Modulus	2206	MPa	ASTM D 790
Flexural Strength	62.5	MPa	ASTM D 790
Rockwell Hardness	R 100	-	ASTM D 785
Izod Impact notched, 1/8 in	235	J/m	ASTM D 256
Izod Impact notched, 1/4 in	198	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	76	°C	ISO 75-1/-2
Vicat softening temperature, A	94	°C	ISO 306
Vicat softening temperature, B	79	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	2.1	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.5	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	2.11	mm	-
Vicat Temperature	91.7	°C	ASTM D 1525
Other properties	Value	Unit	Test Standard
Density	1170	kg/m <sup>3</sup>	ISO 1183
Density	1170	kg/m <sup>3</sup>	ASTM D 792

### Processing

Injection Molding

### Delivery form

Pellets

### Special Characteristics

Flame retardant **Applications** IT / Business Machine, Electrical and Electronical