



## General ABS POLYLAC<sup>®</sup> Characteristics PA-747

PROPERTIES	ISO TEST METHOD	TEST CONDITION	UNIT	GENERAL
				PA-747
<b>Melt Flow Index</b>	1133	220 °C, 10 Kg	ml/10 min	13
<b>Mass Density</b>	1183	23 °C	g/cm <sup>3</sup>	1.03
<b>Ball Indentation Hardness</b>	2039-1	H358/30	N/mm <sup>2</sup>	88
<b>Tensile Strength</b>	527	50 mm/min,yield	MPa	39
		50 mm/min,break	MPa	31
<b>Tensile Elongation</b>	527	50 mm/min	%	45
<b>Flexural Strength</b>	178	2 mm/min	MPa	58
<b>Flexural Modulus</b>	178	2 mm/min	GPa	1.8
<b>IZOD Impact Strength</b>	180/1A	Notched	Kj/m <sup>2</sup>	34
	180/1C	Unnotched		-
<b>Charpy Impact Strength</b>	179	Notched	Kj/m <sup>2</sup>	37
<b>Impact Flexural Test</b>	179/2C	Notched	Kj/m <sup>2</sup>	21
	179/2D	Unnotched		-
<b>Vicat Softening Temp.</b>	306	1 Kg,50 °C/hr	°C	101
		5 Kg,50 °C/hr		92
		1 Kg,120 °C/hr		103
		5 Kg,120 °C/hr		94
<b>Heat Distortion Temp. / A</b>	75	1.8 MPa Unannealed	°C	86
		1.8 MPa Annealed	°C	96
<b>UL Flammability</b>	-	UL-94	-	1.5 mm HB

Notes: These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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