

## High Flow ABS, POLYLAC<sup>®</sup> Characteristics

April 26, 2012

Properties	Test Method	Test Condition	Unit	PA-756	PA-756S	PA-756H	PA-716	PA-746	PA-746H	PA-737
Tensile Strength	ASTM D638	3mm, 6mm/min	Kg/cm <sup>2</sup>	480	385	400	445	415	365	360
Tensile Elongation	ASTM D638	3mm, 6mm/min	%	20	30	10	25	30	30	22
Flexural Strength	ASTM D790	6mm, 2.8 mm/min	Kg/cm <sup>2</sup>	760	600	640	700	650	560	590
Flexural Modulus	ASTM D790	6mm, 2.8 mm/min	Kg/cm <sup>2</sup>	26000	24000	23000	24000	22000	20000	20000
Izod Impact Strength	ASTM D256 (Notched)	6mm, 23°C	Kg-cm/cm	16	17	9	22	26	25	18
		3mm, 23°C		17	20	10	24	32	30	25
Melt Flow Index	ASTM D1238	200°C, 5Kg	g/10min	4.4	6.5	8	3.5	3	4.5	2.6
		220°C, 10Kg		45	70	75	38	34	52	33
Hardness	ASTM D785	-	R Scale	115	113	115	112	118	115	103
Specific Gravity	ASTM D792	23°C	-	1.05	1.05	1.05	1.04	1.03	1.03	1.04
Vicat Softening Temp.	ASTM D1525	3mm, 50°C/hr	°C	105	105	105	105	105	104	101
Heat Distortion Temp.	ASTM D648	Annealed	°C	95	95	95	95	95	95	93
		Unannealed		83	83	85	85	85	85	83
Flammability	UL 94	-	-	1.6mm,HB	1.6mm,HB	1.6mm,HB	1.6mm,HB	1.6mm,HB	1.6mm,HB	1.6mm,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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