

Extrusion ABS, POLYLAC[®] Characteristics

April 26, 2012

Properties	Test Method	Test Condition	Unit	PA-747R	PA-747F	PA-747H	PA-747S	PA-709S
Tensile Strength	ASTM D638	3mm, 6mm/min	Kg/cm ²	430	485	480	390	370
Tensile Elongation	ASTM D638	3mm, 6mm/min	%	40	35	50	40	40
Flexural Strength	ASTM D790	6mm, 2.8 mm/min	Kg/cm ²	690	730	700	620	560
Flexural Modulus	ASTM D790	6mm, 2.8 mm/min	Kg/cm ²	23000	26000	24000	21000	20000
Izod Impact Strength	ASTM D256 (Notched)	6mm, 23°C	Kg-cm/cm	35	25	32	35	37
		3mm, 23°C		45	32	45	40	44
Melt Flow Index	ASTM D1238	200°C, 5Kg	g/10min	0.25	0.3	0.23	0.5	0.4
		220°C, 10Kg		2.5	3	2.8	7.5	4.5
Hardness	ASTM D785	-	R Scale	110	115	112	102	100
Specific Gravity	ASTM D792	23°C	-	1.04	1.05	1.05	1.03	1.03
Vicat Softening Temp.	ASTM D1525	3mm, 50°C/hr	°C	105	106	106	103	106
Heat Distortion Temp.	ASTM D648	Annealed	°C	95	95	95	95	95
		Unannealed		85	85	85	85	85
Flammability	UL 94	-	-	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

The above statement is based on our current level of knowledge and covers the above products directly manufactured and supplied by CHI MEI CORPORATION at the date of issue. CHI MEI CORPORATION makes no warranties, whether express or implied, and assumes no liability in connection with any use of above information. Notwithstanding the foregoing, CHI MEI CORPORATION shall in no event be held obligated or liable for any claims due to or arising from (i) any customer provided, consigned, materials and/or parts, which are incorporated or adopted in the products; (ii) any combination of the products with material not provided or authorized by our company; (iii) any modifications to the products which are made or directed by customer; (iv) our compliance with the specifications, instructions, and/or designs provided by customer; (v) any anti-trust, unfair competition and/or other unlawful actions effected by customer; or (vi) any defects, infringement, breach and/or violation which are arising out of customer's faults or otherwise not solely and directly attributable to CHI MEI CORPORATION. In no event will CHI MEI CORPORATION be liable for any indirect, special, exemplary, punitive, or consequential damages (including lost profits) of any nature whatsoever whether arising out of the purchase, shipment, unloading, handling, or use of any product or otherwise.