



CHI MEI CORPORATION

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Extrusion ABS, POLYLAC[®] Characteristics

April 27, 2006 VIW

Properties	ISO	DIN	Test Condition	Unit	PA-747R	PA-747F	PA-747S	PA-709S
MVI	1133	-	220 ×10kg	ml/10min	2.5	3.3	7.0	4.0
Vicat Softening Temp.	306	53460	50 /hr;1kg		106	106	103	104
			50 /hr;5kg		101	101	98	98
			120 /hr;1kg		108	108	106	106
			120 /hr;5kg		104	105	102	102
H.D.T / A	75	53461	1.8 MPa,unanneal		88	89	87	86
			1.8 MPa,anneal		99	100	96	96
Izod Impact Strength	180/1A	-	Notched	KJ/m ²	29	25	29	31
	180/1C	-	Unnotched	KJ/m ²	-	-	-	-
Charpy Impact	179		Notched	KJ/m ²	32	27	31	33
			Unnotched	KJ/m ²	-	-	-	-
Impact Flexual Test	179/2C	53453	Notched	KJ/m ²	21	17	19	20
	179/2D	53453	Unnotched	KJ/m ²	-	-	-	-
Tensile Strength	527	53455	50mm/min, yield	MPa	44	46	40	36
			50mm/min, break	MPa	33	35	30	28
Tensile Elongation	527	53455	50 mm/min	%	20	20	40	30
Flexural Strength	178	53452	2 mm/min	MPa	61	66	57	51
Flexural Modulus	178	53452	2 mm/min	GPa	1.7	1.9	1.7	1.5
Ball Indentation Hardness	2039-1	53456	H358/30		90	99	89	75
Flammability	-		-	UL-94	1/16"HB	1/16"HB	1/16"HB	1/16"HB
Mass Density	1183	53479-A	23	-	1.04	1.05	1.03	1.03

The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. For further information, please contact your local agent or fax to Chi Mei Technical Services Dept. at 886-6-2665555.