



CHI MEI CORPORATION

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Flame Retardant ABS, POLYLAC[®] Characteristics

April 27, 2006 VIW

Properties	ISO	DIN	Test Condition	Unit	PA-763	PA-765	PA-765A	PA-765B	PA-764	PA-764B
MVI	1133	-	220 ×10kg	ml/10min	30	49	46	45	30	25
Vicat Softening Temp.	306	53460	50 /hr;1kg		103	90	90	90	99	99
			50 /hr;5kg		96	78	79	79	84	85
			120 /hr;1kg		104	90	91	92	98	99
			120 /hr;5kg		97	80	82	82	87	88
H.D.T / A	75	53461	1.8 MPa, unanneal		86	74	76	77	74	83
			1.8 MPa, anneal		96	90	91	91	96	97
Izod Impact Strength	180/1A	-	Notched	KJ/m ²	20	17	19	20	13	14
	180/1C	-	Unnotched	KJ/m ²	-	-	-	-	-	-
Charpy Impact	179		Notched	KJ/m ²	20	20	20	20	14	17
			Unnotched	KJ/m ²	-	-	-	-	-	-
Impact Flexual Test	179/2C	53453	Notched	KJ/m ²	13	12	12	13	9	11
	179/2D	53453	Unnotched	KJ/m ²	-	-	-	-	110	110
Tensile Strength	527	53455	50mm/min, yield	MPa	41	39	40	41	39	40
			50mm/min, break	MPa	32	34	28	30	29	30
Tensile Elongation	527	53455	50 mm/min	%	15	10	10	10	10	10
Flexural Strength	178	53452	2 mm/min	MPa	59	55	54	57	55	57
Flexural Modulus	178	53452	2 mm/min	GPa	2.0	1.8	1.7	1.8	1.7	1.8
Ball Indentation Hardness	2039-1	53456	H358/30		80	79	81	82	75	78
Flammability	-		-	UL-94	1/16"V-0 1/10"5VB	1/16"V-0 1/10"5VA	1/12"V-0 1/10"5VA	1/10"V-0 1/16" V-2 1/8"5VA	1/16"V-0 1/10"5VA	1/10"V-0 1/8"5VA
Mass Density	1183	53479-A	23	-	1.19	1.19	1.17	1.16	1.19	1.16

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.