

CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

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General Purpose ABS, POLYLAC[®] Characteristics

March 28, 2012 VIW

Properties	ISO	DIN	Test Condition	Unit	PA-707	PA-757	PA-717C	PA-727	PA-726	PA-747	PA-709	PA-709P	PA-757G J08	PA-718		
MVI	1133	-	220°C×10kg	ml/10min	23	22	14	19	21	13	8.3	8.5	34	23		
Vicat Softening Temp.	306	53460	50°C/hr;1kg	°C	104	104	103	102	103	101	103	103	105	100		
			50°C/hr;5kg	°C	100	100	98	96	94	92	94	95	95	101	96	
			120°C/hr;1kg	°C	106	105	105	105	103	103	103	104	105	106	101	101
			120°C/hr;5kg	°C	102	101	99	98	96	94	95	95	95	102	97	97
H.D.T / A	75	53461	1.8 MPa,unanneal	°C	88	88	87	87	87	86	79	80	87	85		
			1.8 MPa,anneal	°C	98	98	97	98	96	96	98	98	98	98	94	94
Izod Impact Strength	180/1A	-	Notched	KJ/m ²	11	14	21	21	24	29	31	27	16	6		
	180/1C	-	Unnotched	KJ/m ²	90	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	
Charpy Impact	179		Notched	KJ/m ²	11	15	22	23	26	30	32	27	17	6		
			Unnotched	KJ/m ²	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
Impact Flexual Test	179/2C	53453	Notched	KJ/m ²	9	11	14	18	18	20	21	22	14	5		
	179/2D	53453	Unnotched	KJ/m ²	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB	
Tensile Strength	527	53455	50mm/min, yield	MPa	56	54	49	52	44	39	40	45	48	53		
			50mm/min, break	MPa	38	37	35	37	35	31	32	36	40	44	44	
Tensile Elongation	527	53455	50 mm/min	%	20	20	20	15	40	45	55	60	39	38		
Flexural Strength	178	53452	2 mm/min	MPa	79	76	69	73	64	58	58	58	62	72		
Flexural Modulus	178	53452	2 mm/min	GPa	2.3	2.2	1.9	2.1	2.1	1.8	1.8	1.9	1.9	1.9		
Ball Indentation Hardness	2039-1	53456	H358/30		115	110	97	103	99	88	86	86	100	108		
Flammability	-		-	UL-94	1/16"HB	1/16"HB	1/16"HB	1/16"HB	1/16"HB	1/16"HB	1/16"HB	1/16"HB	1/16"HB	1/16"HB		
Mass Density	1183	53479-A	23°C	-	1.06	1.05	1.04	1.04	1.04	1.03	1.03	1.03	1.04	1.14		

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.