



CHI MEI CORPORATION

59-1 SAN CHIA, JEN TE, TAINAN COUNTY, TAIWAN TEL: 886-6-266-5000, FAX: 886-6-266-5555~7

General Purpose ABS, POLYLAC[®] Characteristics

April 27, 2006 VIW

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