



CHI MEI CORPORATION

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

High Flow ABS, POLYLAC[®] Characteristics

April 27, 2006 VIW

Properties	ISO	DIN	Test Condition	Unit	PA-756	PA-756H	PA-756S	PA-716	PA-737	PA-746	PA-746H	PA-746Y
MVI	1133	-	220 ×10kg	ml/10min	45	75	70	38	33	34	52	15
Vicat Softening Temp.	306	53460	50 /hr;1kg		104	102	102	103	99	102	102	104
			50 /hr;5kg		96	95	95	94	94	94	91	98
			120 /hr;1kg		106	104	104	104	101	103	104	106
			120 /hr;5kg		98	97	96	97	93	95	94	98
H.D.T / A	75	53461	1.8 MPa,unanneal		89	89	89	88	83	87	86	86
			1.8 MPa,anneal		98	97	97	97	94	96	96	99
Izod Impact Strength	180/1A	-	Notched	KJ/m ²	11	8	15	17	19	22	25	23
	180/1C	-	Unnotched	KJ/m ²	-	80	-	-	-	-	-	-
Charpy Impact	179		Notched	KJ/m ²	11	8	17	18	21	25	22	26
			Unnotched	KJ/m ²	-	-	-	-	-	-	-	-
Impact Flexual Test	179/2C	53453	Notched	KJ/m ²	10	8	12	13	16	17	17	17
	179/2D	53453	Unnotched	KJ/m ²	-	110	-	-	-	-	-	-
Tensile Strength	527	53455	50mm/min, yield	MPa	49	43	41	46	38	43	37	47
			50mm/min, break	MPa	35	34	33	35	32	32	28	35
Tensile Elongation	527	53455	50 mm/min	%	15	35	20	10	20	15	30	15
Flexural Strength	178	53452	2 mm/min	MPa	72	65	61	65	60	60	54	65
Flexural Modulus	178	53452	2 mm/min	GPa	2.1	2.2	2.0	1.9	1.9	1.8	1.7	2.0
Ball Indentation Hardness	2039-1	53456	H358/30		106	107	104	98	94	88	86	101
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
Mass Density	1183	53479-A	23	-	1.05	1.05	1.05	1.04	1.04	1.03	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.