



# CHI MEI CORPORATION

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

## High Impact PS POLYREX<sup>®</sup> Characteristics

November 7, 2005 VIW

Properties	ISO	DIN	Test Condition	Unit	PH-60	PH-60F	PH-888H	PH-88	PH-88H
MVI	1133	-	200 x5kg	ml/10min	5.5	8.5	3.8	5.0	4.7
Vicat Softening Temp.	306	53460	50 /hr;1kg		100	95	102	96	97
			50 /hr;5kg		92	87	92	87	87
			120 /hr;1kg		104	93	107	98	101
			120 /hr;5kg		99	94	95	89	90
H.D.T / A	75	53461	1.8 MPa,unanneal		78	76	77	74	76
			1.8 MPa,anneal		94	96	96	89	91
Izod Impact Strength	180/1A	-	Notched	KJ/m <sup>2</sup>	7	8	8	10	10
	180/1C	-	Unnotched	KJ/m <sup>2</sup>	-	-	-	-	-
Charpy Impact	179		Notched	KJ/m <sup>2</sup>	8	8	9	11	10
			Unnotched	KJ/m <sup>2</sup>	-	-	-	-	-
Impact Flexual Test	179/2C	53453	Notched	KJ/m <sup>2</sup>	8	7	8	12	9
	179/2D	53453	Unnotched	KJ/m <sup>2</sup>	110	70	90	100	110
Tensile Strength	527	53455	50mm/min,yield	MPa	27	29	30	27	24
			50mm/min,break	MPa	27	22	30	22	22
Tensile Elongation	527	53455	50 mm/min	%	64	36	58	56	54
Flexural Strength	178	53452	2 mm/min	MPa	40	41	39	35	33
Flexural Modulus	178	53452	2 mm/min	GPa	1.6	1.8	1.5	1.2	1.0
Ball Identation Hardness	2039-1	53456	H358/30		90	102	81	84	80
Flammability	-		-	UL-94	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	1.05	1.05

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