



PETROCHEMICALS (MALAYSIA) SDN. BHD.

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IDEMITSU PS Property Table

Test Item	Method	Test Conditions	Unit	ET63	ET65	HT50	HT57M	IT43	MS500
Melt Flow Rate	ISO 1133	200°C 5kgf	g/10min	2.5	2.1	3.5	3.2	8.2	4.7
Density	ISO 1183	Method A	kg/m³	1040	1040	1040	1040	1040	1040
Tensile Strength (Yield)	ISO 527-1	50mm/min	MPa	28	20	34	36	27	36
Ultimate Elongation	ISO 527-1	50mm/min	%	40	45	30	40	20	30
Flexural Strength	ISO 178	2mm/min	MPa	50	35	60	59	45	64
Flexural Modulus	ISO 178	2mm/min	MPa	2050	1700	2400	2250	2000	2550
Charpy Impact Strength (Notched)	ISO 179	1eA	kJ/m²	13	11	13	13	12	11
Heat Deflection Temperature	ISO 75-2	flatwise 1.8MPa 120°C/h	°C	78	71	80	79	79	80
Flammability	UL - 94			HB	--	HB	HB	--	HB
Remarks				Thick Sheet	Environmental Stress Crack Resistance	Injection	High Modulus	High Flow	High Modulus

•Data in this catalogue shows sample figures measured under certain specific condition.

•Usage of the products in catalogue does not warrant any successful results of application of the products for specific usage.

•Please note that the content of this catalogue may be altered from time to time according to the improvement of the products without prior notice.