



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/m ³	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/m ²	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

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