



PETROCHEMICALS (MALAYSIA) SDN. BHD.

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IDEMITSU PS Property Table

Test Item	Method	Test Conditions	Unit	SEHI-125	NS-100	SEHI-101	NS-221
Melt Flow Rate	ISO 1133	200°C 5kgf	g/10min	6.3	7.7	4.4	6.1
Density	ISO 1183	Method A	kg/m ³	1070	1110	1150	1160
Tensile Strength (Yield)	ISO 527-1	50mm/min	MPa	33	30	24	24
Ultimate Elongation	ISO 527-1	50mm/min	%	30	27	30	35
Flexural Strength	ISO 178	2mm/min	MPa	53	47	41	41
Flexural Modulus	ISO 178	2mm/min	MPa	2460	2450	2180	2250
Charpy Impact Strength (Notched)	ISO 179	1eA	kJ/m ²	12	9	10	9
Heat Deflection Temperature	ISO 75-2	Flatwise 1.8MPa 120°C/h	°C	76	77	74	74
Flammability	UL - 94			V2 / 1.5mm	V2 / 1.5mm	V0 / 2.0mm	V0 / 1.5mm
Remarks				Flame resistant	Flame resistant	Flame resistant	Flame resistant

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