



**PETROCHEMICALS (MALAYSIA) SDN BHD**

(Company Registration No. : 12215-H)

**Properties of IDEMITSU PS**

Doc No: CQ-QAS-004-00-N-03

Rev: 07

Effective Date: 27th. April 2011

PROPERTY	TESTING METHOD	RESIN	V0				V2	
		GRADE	SEHI-101	NS-221	NS-253	NS-280	SEHI-125	NS-100
		TYPE	Good Light Resistance	Light Resistance	Good Flow	High Flow	High Strength	High Heat Resistant
		UNIT	Non-Deca	Non-Deca	Non-Deca	Non-Deca	Non-Deca	Non-Deca
Specific Gravity	ASTM - D792	---	1.15	1.15	1.16	1.15	1.07	1.10
Melt Index (200°C / 5KG)	ASTM - D1238	g/10min	4	6	18	25	6	8
Tensile Strength	ASTM - D638	kg/cm <sup>2</sup>	240	240	220	230	320	250
Properties Elongation		%	40	50	50	50	40	40
Flexural Strength	ASTM - D790	kg/cm <sup>2</sup>	330	330	330	360	450	380
Properties Modulus			19,000	20,000	20,000	19,000	22,000	23,000
Izod Impact Strength	ASTM - D256	kg.cm/cm	8.0	8.0	7.0	7.0	9.0	7.0
Heat Distortion Temp (1.197kg)	ASTM - D648	°C	80	80	74	70	80	80
Ball Pressure Temp.	-	°C	80	85	80	80	85	85
Vicat Softening Point (0.923kg)	ASTM - D1525	°C	100	100	95	95	100	100
Flammability	UL - 94 (File No: E63304)		1.9mm V0	1.5mm V0	2.5mm V0 2.0mm V0 1.5mm V2	2.5mm V0	1.5mm V2	1.4mm V2
Application	-		OA Equipment	OA Equipment	TV Housing	TV Housing	Audio	Audio