



PETROCHEMICALS (MALAYSIA) SDN. BHD.

(Company Registration No. : 12215 - H)

Properties of IDEMITSU PS

PROPERTY	TESTING METHOD	RESIN	High Impact PS						
		GRADE	MS500	HT50	HT54	HT57M	CT60	ET63	
		TYPE UNIT	Medium Type	High Impact	High Gloss	High Heat	Thick Sheet	Thick Sheet	
Specific Gravity	ASTM - D792	---	1.04	1.04	1.04	1.04	1.04	1.04	
Melt Index (200°C)	ASTM - D1238	g/10min	5.0	4.0	2.5	3.3	2.5	2.5	
Tensile Properties	Strength	ASTM - D638	kg/cm ²	320	310	320	370	290	280
	Elongation	ASTM - D638	%	35	40	60	25	50	50
Flexural Properties	Strength	ASTM - D790	kg/cm ²	600	560	560	650	500	500
	Modulus	ASTM - D790		23,000	22,000	20,000	22,000	20,000	20,000
Izod Impact Strength	ASTM - D256	kg.cm/cm	7.5	8.5	12	8.5	13	10	
Heat Distortion Temp.	ASTM - D648	° C	85	85	85	87	85	83	
Rockwell Hardness	ASTM - D785	---	L 68	L 60	L56	L65	L 56	L 56	
Glossiness	ASTM - D523	%	50	50	80	85	50	40	
Flammability	UL - 94		→	→	→	→	-	→	
APPLICATION	-----		Audio Housing	Audio & TV Housings	OA Housing / Extrusion	Air Conditioner Housing	Extrusion	Extrusion	
			VTR Housing	VTR Housing					

NOTE : Figures presented above are typical laboratory averaged values.