



IDEMITSU PS HT50

PRODUCT INFORMATION

High Impact PS

FEATURES	APPLICATIONS
High Impact	- Audio/TV/VTR Housing - Household Items

PROPERTY	TESTING METHOD	UNITS	VALUES
Specific Gravity	ASTM D 792	-	1.04
Melt Flow Rate (200/5)	ASTM D 1238	g/10 min	4.0
Tensile Strength (Break)	ASTM D 638	kg/cm ²	310
Ultimate Elongation	ASTM D 638	%	40
Flexural Strength	ASTM D 790	kg/cm ²	560
Flexural Modulus	ASTM D 790	kg/cm ²	22,000
Izod Impact Strength	ASTM D 256	kg.cm/cm	8.5
Heat Distortion Temperature	ASTM D 648	°C	85
Vicat Softening Point	ASTM D 1525	°C	107
Glossiness	ASTM D 523	%	50
Linear Mold Shrinkage	ASTM D 955	cm/cm	0.004 ~ 0.007
Rockwell Hardness	ASTM D 785	L scale	L60
Dupont Impact Strength	ASTM D3029	kg.cm	100
Coefficient of Linear Thermal Expansion	ASTM D696	* 10 ⁻⁵ mm/mm / °C	5 ~ 10
Water Absorption	ASTM D570	%	< 0.1
Flammability	UL 94	Flame Class	HB
Hot Wire Ignition (HWI)	UL 746A	HWI PLC	4
High Arc Ignition (HAI)	UL 746A	HAI PLC	0
Electrical RTI	UL 746B	°C	50
Mechanical Impact RTI	UL 746B	°C	50
Mechanical Strength RTI	UL 746B	°C	50

Notes:

- The properties of resin summarized in this brochure are typical, or average properties measured intended as guides only, not as specification limits.
- All values of UL testing methods refer to minimum thickness of 1.5mm. Please contact Petrochemicals (M) Sdn. Bhd. for values of other thickness.
- Abbreviations:
PLC = Performance Level Categories
RTI = Relative Temperature Index

CERTIFICATIONS - UL (File No.:E63304) - JET (DENTORI) - ISO9001:2000 (Quality System)	FOOD CONTACT Please contact Petrochemicals (M) Sdn. Bhd. for further information on the certification/compliance/suitability of the product for food contact application.
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