



# IDEMITSU PS HT57M

## PRODUCT INFORMATION

### High Gloss High Impact PS

| FEATURES   | APPLICATIONS  |
|--|---|
| <ul style="list-style-type: none"><li>• High Impact</li><li>• High Gloss</li></ul> | <ul style="list-style-type: none"><li>• Air Conditioner Housing</li></ul> |

| PROPERTY                                | TESTING METHOD | UNITS                         | VALUES        |
|---|----------------|-------------------------------|---------------|
| Specific Gravity                        | ASTM D 792     | -                             | 1.04          |
| Melt Flow Rate (200/5)                  | ASTM D 1238    | g/10 min                      | 3.3           |
| Tensile Strength (Break)                | ASTM D 638     | kg/cm <sup>2</sup>            | 370           |
| Ultimate Elongation                     | ASTM D 638     | %                             | 25            |
| Flexural Strength                       | ASTM D 790     | kg/cm <sup>2</sup>            | 650           |
| Flexural Modulus                        | ASTM D 790     | kg/cm <sup>2</sup>            | 22,000        |
| Izod Impact Strength                    | ASTM D 256     | kg.cm/cm                      | 8.5           |
| Heat Distortion Temperature             | ASTM D 648     | °C                            | 87            |
| Vicat Softening Point                   | ASTM D 1525    | °C                            | 107           |
| Glossiness                              | ASTM D 523     | %                             | 85            |
| Linear Mold Shrinkage                   | ASTM D 955     | cm/cm                         | 0.004 ~ 0.007 |
| Rockwell Hardness                       | ASTM D 785     | L scale                       | L65           |
| Dupont Impact Strength                  | ASTM D3029     | kg.cm                         | 140           |
| Coefficient of Linear Thermal Expansion | ASTM D696      | * 10 <sup>-5</sup> 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                       | 3             |
| High Arc Ignition (HAI)                 | UL 746A        | HAI PLC                       | 1             |
| 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

|  |   |
|--|---|
| <b>CERTIFICATIONS</b> <ul style="list-style-type: none"><li>• UL (File No.:E63304)</li><li>• JET (DENTORI)</li><li>• ISO9001:2000 (Quality System)</li></ul> | <b>FOOD CONTACT</b> <p>Please contact Petrochemicals (M) Sdn. Bhd. for further information on the certification/compliance/suitability of the product for food contact application.</p> |
|--|---|

All information is furnished in good faith, without warranty, representation, inducement or a license of any kind. No guarantee is given that IDEMITSU PS's product will be suitable in purchasers' formulations or processes for any particular end use.



PETROCHEMICALS (M) SDN. BHD.  
82, Jalan Tampoi, 81200, Johor Bahru  
Johor, MALAYSIA.  
Tel: +607-339 1001, Fax: +607-339 1031