

## VH 001 기본 물성 자료

| Properties            |                           | Method /Condition     | Unit              | VH 001 |
|-----------------------|---------------------------|-----------------------|-------------------|--------|
| Thermal Properties    | Melt Flow Rate            | ISO1133<br>230℃-37.3N | g/10min           | 2.0    |
|                       | HDT                       | ISO75/1.8MPa          | ℃                 | 100    |
|                       | VST                       | ISO306/50N            | ℃                 | 107    |
| Mechanical Properties | Tensile strength          | ISO527                | MPa               | 77     |
|                       | Tensile elongation        | ISO527                | %                 | 6      |
|                       | Flexural strength         | ISO178                | MPa               | 140    |
|                       | Flexural modulus          | ISO178                | GPa               | 3.3    |
|                       | Izod impact strength      | ISO180                | kJ/m <sup>2</sup> | 2.1    |
|                       | Charpy impact Strength    | ISO179/Unnotched      | kJ/m <sup>2</sup> | 20     |
|                       |                           | ISO179/V notched      |                   | 1.4    |
| Rockwell hardness     | ISO2039 /M scale          |                       | 101               |        |
| Physical properties   | Total light Transmittance | ISO13468 / 3mm        | %                 | 93     |
|                       | Haze                      | ISO14782 / 3mm        | %                 | 0.2    |

