

# HIDEN® VH035

Ultra High Molecular Weight Polyethylene

YUHWHA Korea Petrochemical Ind. Co., Ltd.

## Message:

HIDEN® VH035 is an Ultra High Molecular Weight Polyethylene material. It is available in Asia Pacific.

Important attributes of HIDEN® VH035 are:

RoHS Compliant

High Molecular Weight

Impact Resistant

Wear Resistant

Typical application of HIDEN® VH035: Housings

| General Information                              |                              |                   |                 |
|--|------------------------------|-------------------|-----------------|
| Features   | Good Wear Resistance         |                   |                 |
|  | Ultra High Impact Resistance |                   |                 |
|  | Ultra High Molecular Weight  |                   |                 |
| Uses   | Battery Cases                |                   |                 |
| RoHS Compliance                                  | RoHS Compliant               |                   |                 |
| Forms  | Pellets                      |                   |                 |
| Physical   | Nominal Value                | Unit              | Test Method     |
| Density  | 0.950                        | g/cm <sup>3</sup> | ASTM D1505      |
| Apparent Density                                 | 0.45                         | g/cm <sup>3</sup> | ISO 60          |
| Average Molecular Weight - 10 <sup>6</sup> g/mol | 0.600                        |                   | Internal Method |
| Average Particle Size                            | 120                          | μm                | Internal Method |
| Thermal  | Nominal Value                | Unit              | Test Method     |
| Peak Melting Temperature                         | 135                          | °C                | ASTM D3418      |

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## Recommended distributors for this material

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