

# ALTUGLAS VH

|   | TEST METHOD | UNIT              | ALTUGLAS VH |
|---|-------------|-------------------|-------------|
| <b>1 - PHYSICAL PROPERTIES</b>  |             |                   |             |
| Melt Flow Rate (230°C / 3.8 kg)   | ASTM D1238  | g/10mm            | 19.5        |
| Specific Gravity  | ASTM D792   |                   | 1.18        |
| Mold shrinkage  | ASTM D955   | %                 | 0.2-0.6     |
| Water Absorption  | ASTM D570   | % weight gain     | 0.3         |
| <b>2 - TECHNICAL PROPERTIES</b>   |             |                   |             |
| Tensile Strength @ maximum  | ASTM D638   | MPa               | 66          |
| Flexural Strength, maximum  | ASTM D790   | MPa               | 97          |
| Flexural Modulus  | ASTM D790   | MPa               | 3100        |
| Notched Izod (23°C)   | ASTM D256   | KJ/m <sup>2</sup> | 1.2         |
| Rockwell Hardness   | ASTM D785   | Mscale            | 89          |
| <b>3 - THERMAL PROPERTIES</b>   |             |                   |             |
| HDT (1820 kPa ; annealed)   | ASTM D648   | °C                | 77          |
| Vicat Softening Point (Rate A ; 1 kg)   | ASTM D1525  | °C                | 88          |
| Vicat Softening Point (Rate A ; 5 kg)   | ASTM D1525  | °C                | 82          |
| <b>4 - OPTICAL PROPERTIES</b>   |             |                   |             |
| Refractive Index (N <sub>D</sub> @ 23° C)   | ASTM D542   |                   | 1.49        |
| Luminous Transmittance (3.2 mm)   | ASTM D1003  | %                 | 92          |
| Haze (3.2 mm.)  | ASTM D1003  | %                 | <2          |
| <p>N.B. : The values quoted are the average of results obtained under laboratory and are given only as an indication to enable customers to make best use of our products. Values reported are typical and should not be used for specification purposes.</p> |             |                   |             |

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