

**POLYabs R00 UV4**

ABS

Polykemi AB

| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|--|--------------|-------------------|----------------------|
| <b>ISO Data</b>                            |              |                   |                      |
| Melt flow index, MFI                       | <b>5</b>     | g/10min           | ISO 1133             |
| Temperature                                | <b>230</b>   | °C                | -                    |
| Load                                       | <b>5</b>     | kg                | -                    |
| Molding shrinkage, parallel                | <b>0.7</b>   | %                 | ISO 294-4, 2577      |
| Molding shrinkage, normal                  | <b>0.7</b>   | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>               |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Tensile Strength                           | <b>42</b>    | MPa               | ISO 527              |
| Yield strain                               | <b>5</b>     | %                 | ISO 527              |
| Flexural modulus, 23°C                     | <b>2200</b>  | MPa               | ISO 178              |
| Charpy impact strength, +23°C              | <b>N</b>     | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C      | <b>28</b>    | kJ/m <sup>2</sup> | ISO 179/1eA          |
| Charpy notched impact strength, -30°C      | <b>18</b>    | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>                  |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Temp. of deflection under load, 1.80 MPa   | <b>75</b>    | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa   | <b>90</b>    | °C                | ISO 75-1/-2          |
| Vicat softening temperature, A             | <b>106</b>   | °C                | ISO 306              |
| Burning behav. at 1.5 mm nom. thickn.      | <b>HB</b>    | class             | IEC 60695-11-10      |
| Thickness tested                           | <b>1.6</b>   | mm                | -                    |
| <b>Other properties</b>                    |              |                   |                      |
| Density                                    | <b>1030</b>  | kg/m <sup>3</sup> | ISO 1183             |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Granules

**Special Characteristics**

U.V. stabilized or stable to weather

**Regional Availability**

Europe, Asia Pacific