

# AsahiKASEI

## Technical Data Sheet Thermylene® P-40TC-1102 40% Talc Filled PP

### Material Property

#### DESCRIPTION

This general purpose talc filled polypropylene compound has been designed for high stiffness and good dimensional stability.

| GENERAL PROPERTIES | VALUE | UNIT              | TEST STANDARD |
|--------------------|-------|-------------------|---------------|
| Filler Content     | 40    | %                 | ISO 3451/1    |
| Density            | 1.24  | g/cm <sup>3</sup> | ISO 1183A     |
| Melt Flow          | 25    | g/10 min          | ISO 1133      |

| MECHANICAL PROPERTIES | VALUE | UNIT              | TEST STANDARD |
|-----------------------|-------|-------------------|---------------|
| Tensile Strength      | 29    | MPa               | ISO 527       |
| Flexural Strength     | 52    | MPa               | ISO 178       |
| Flexural Modulus      | 4900  | MPa               | ISO 178       |
| Charpy Notched 23°C   | 2     | kJ/m <sup>2</sup> | ISO 179       |

| THERMAL PROPERTIES | VALUE | UNIT | TEST STANDARD |
|--------------------|-------|------|---------------|
| HDT @ 1.8 MPa      | 82    | °C   | ISO 75        |

**Auto Approvals**  
n/a

Always review the MSDS prior to using any of our products. The Material Safety Data Sheet for this product is available either by contacting Asahi Kasei Plastics NA Inc. or by visiting [www.akplastics.com](http://www.akplastics.com).

There are many factors which contribute to optimal processing and part production; geometry, thickness of the part, as well as application requirements that can impact dimensional tolerances and part appearance. Please contact our company for technical assistance in this area.

This technical data sheet is a summary of known information at the time of publication. The data contained herein are preliminary and may be subject to revision. The data reflects a normal range of properties for the product specified on the technical data sheet. Extra pigments, additives or combinations with other materials may alter the data. It is the responsibility of the customer to independently determine the suitability of a particular material for the intended use. Asahi Kasei Plastics NA Inc. makes no warranties, express or implied, concerning the suitability or fitness of its products for any particular use or accepts any liability in connection with this information. Asahi Kasei Plastics NA Inc. does not allow or support the use of this or any other materials we manufacture for implantation in the human body. For additional information, general guidelines, safe handling, processing and drying protocols please check out our processing guides ([online link](#)) or call (800) 444-4408.