

AsahiKASEI

Technical Data Sheet
Thermylene® PT-20TC-E310
20% Talc Filled
TPO

Material Property Proposal

DESCRIPTION

This is a Thermoplastic Olefin (TPO) compound designed for use in applications (E.g. Bumpers) requiring excellent low temperature impact (-40C ductile @ 2.2 m/s). This grade is designed for good aesthetics (anti-tiger stripping), good scratch/mar, and good exterior weathering.

GENERAL PROPERTIES	VALUE	UNIT	TEST STANDARD
Density	1.05	g/cm ³	ISO 1183A
Melt Flow	15	g/10 min	ISO 1133

MECHANICAL PROPERTIES	VALUE	UNIT	TEST STANDARD
Tensile Strength	18.5	MPa	ISO 527
Flexural Modulus	1600	MPa	ISO 178
Charpy Notched 23°C	60	kJ/m ²	ISO 179
Charpy Notched -30°C	8.9	kJ/m ²	ISO 179

THERMAL PROPERTIES	VALUE	UNIT	TEST STANDARD
HDT	50	°C	ISO 75

v. 200818-BW

The above representation depicts provisional product performance based on initial launch of new product and is subject to change per APNA practice to finalize the typical properties of the product following a statistical review of several production-size campaigns. We believe this as a necessary step to ensure production viability and to deliver performance consistency in our customer's application.

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.asahikaseiplastics.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.