

AsahiKASEI

Technical Data Sheet Thermylene® P8-40FG-1610 40% Glass Fiber Reinforced PP

Material Property

DESCRIPTION

This is a 40% fiber glass reinforced polypropylene performance compound designed for replacement of engineered compounds in structural applications

GENERAL PROPERTIES	VALUE	UNIT	TEST STANDARD
Filler Content	40	%	ISO 3451/1
Density	1.23	g/cm ³	ISO 1183A
Melt Flow	4	g/10 min	ISO 1133

MECHANICAL PROPERTIES	VALUE	UNIT	TEST STANDARD
Tensile Strength	105	MPa	ISO 527
Flexural Strength	160	MPa	ISO 178
Flexural Modulus	7900	MPa	ISO 178
Charpy Notched 23°C	7	kJ/m ²	ISO 179

THERMAL PROPERTIES	VALUE	UNIT	TEST STANDARD
HDT @ 1.8 MPa	148	°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.

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.