



Technical Data Sheet
Thermylene® P7-45FG-0790

45% Glass Reinforcement

DESCRIPTION:

This high performance compound has been optimized for high stiffness and has good creep resistance.

GENERAL PROPERTIES	VALUE	UNIT	TEST STANDARD
Glass Reinforcement	45	%	ASTM D5630
Specific Gravity	1.29	g/cm3	ASTM D792 / ISO 1183A
Melt Flow	2	g/10 min	ASTM D1238

MECHANICAL PROPERTIES	VALUE	UNIT	TEST STANDARD
Tensile Strength - ASTM	112	MPa	ASTM D638
Tensile Strength - ISO	115	MPa	ISO 527
Flexural Modulus - 2mm/min	10500	MPa	ISO 178
Notched Izod - ASTM Flex Bar 23C	112	J/m	ASTM D256
Notched Izod - ISO 23C	11	kJ/m2	ISO 180-A

THERMAL PROPERTIES	VALUE	UNIT	TEST STANDARD
HDT @ 264 psi	150	°C	ASTM D648
HDT @ 1.8 MPa	148	°C	ISO 75

APPROVALS

GMP.PP.118; MS-DB500 CPN 4156

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

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