



**Technical Data Sheet**  
SoForm™ PH-20FG-0820  
20% Glass Fiber Reinforced  
PP

**Material Property Proposal**

**DESCRIPTION**

This is an enhanced haptic polypropylene UV-stabilized, scratch-resistant compound that is designed for soft surface feel while providing structural performance.

<b>GENERAL PROPERTIES</b>	<b>VALUE</b>	<b>UNIT</b>	<b>TEST STANDARD</b>
Filler Content	20	%	ISO 3451/1
Density	1.03	g/cm <sup>3</sup>	ISO 1183A
Melt Flow	8	g/10 min	ISO 1133

  

<b>MECHANICAL PROPERTIES</b>	<b>VALUE</b>	<b>UNIT</b>	<b>TEST STANDARD</b>
Tensile Strength	29	MPa	ISO 527
Tensile Modulus	2000	MPa	ISO 527
Flexural Strength	38	MPa	ISO 178
Flexural Modulus	1900	MPa	ISO 178
Charpy Notched, 23°C	39	kJ/m <sup>2</sup>	ISO 179
Charpy Notched, -30°C	18	kJ/m <sup>2</sup>	ISO 179

  

<b>THERMAL PROPERTIES</b>	<b>VALUE</b>	<b>UNIT</b>	<b>TEST STANDARD</b>
HDT @ 0.45 MPa	134	°C	ISO 75

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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](http://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.