



Order Form

Contact Information:

Name: _____

Phone: _____ E-mail: _____

Company: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Country: _____

General Information

Pricing:

Please contact your local representative for a formal quote. **Expedite** options are available for an additional fee.

Molding Capabilities:

The tests listed are applicable for standard thermoplastic materials. Other material types must be approved by the Materials Lab Manager. We have the capability to test materials up to melt temperatures of 380°C and mold temperatures of 200°C.

Shipping:

Shipping of resin is to be arranged and paid for by the customer. We recommend shipping via FedEx, UPS, DHL, or other International Shipper to reduce issues with customs clearance. BAP is not liable for any import tax or duties incurred.

Shipping of molded test specimens will be arranged and paid for by Beaumont, except in the event of international shipments. For international shipments, the customer must provide a shipping account.

Materials originating within USA require:

- Completed Material Characterization Order Form;
- English version Material Safety Data Sheet (MSDS).

Materials originating outside USA require:

- Completed Material Characterization Order Form;
- Commercial Invoice (please quote a nominal value for customs purposes only);
- English version Material Safety Data Sheet (MSDS);
- Toxic Substance Control Act (TSCA) Declaration

Delivery:

Delivery times are dependent on laboratory workload. Expedite orders are evaluated upon request and availability is dependent on laboratory workload, material type, etc. A confirmation of delivery date will be sent to the customer upon receipt of the material and other prerequisites.

Confidentiality Policy:

Non confidential characterized materials will be included on the Public Material Database (subject to the approval of the resin manufacturer) and are available to all customers.

Confidential testing is available for an additional fee. Information or data pertaining to Confidential materials will not be released without the written consent of the customer who ordered the testing. **Confidential Moldflow material data is subject to being shared with Autodesk in order to maintain CRIMS data for new releases.**

Contact Information:

BAP Material Characterization Division
10524 Crosby Circle
Cranesville, PA 16410 USA
Phone: +1-814-899-6390
E-mail: jtrott@bapmolding.com

For **Test Specimens**, fill out the **ORANGE** sections. For **Material Characterization**, fill out the **BLUE** sections.

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Test Specimen Molding Options

Pre-Processing and Processing Conditions:

- BAP to use online database or generic values based on the material type. BAP reserves the right to use processing and pre-processing conditions of their discretion.
- Customer to provide the necessary processing and pre-processing conditions before molding.

Dryer Temperature (°C) _____ Mold Temperature Range (°C) _____
 Target Moisture (%) _____ Melt Temperature Range (°C) _____

Shipping Instructions:

Completed specimens are to be shipped to:

- Customer address listed on first page
- UL facility for testing*
- Alternate Address**

*If shipment is to go directly to a UL facility, please provide a SampleReqForm or FUS tag to accompany shipment.
 **If shipping to more than one address, provide both addresses and confirm which specimens should be shipped to each location.

****Alternate or Second Address:**

Company: _____ Attention: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Country: _____

Domestic ground shipments are included in all orders. International and priority shipments must provide shipping account information.

- FedEx
- UPS
- DHL
- Other: _____

Account Number: _____
 Associated Zip Code: _____
 Associated Phone Number: _____

Special Instructions and Precautions:

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A complete list of available test specimens can be found at www.bapmolding.com

Specimen Type: _____
 Qty of Specimens: _____
 Material(s): _____

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 Qty of Specimens: _____
 Material(s): _____

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Material Characterization Options

Material:

Data Status: * Not Confidential Confidential (surcharge applies, order MPL-001)

Material Type Thermoplastic MIM/PIM/CIM/Misc.

Family Abbreviation: _____

Trade Name / Grade: _____ (Official name entered into the software)

Lot Number: _____

Manufacturer: _____

Filler 1 (% and type): _____

Filler 2 (% and type): _____

Filler Status: ** Not Confidential Confidential

* Data Status: Non-confidential selection is discounted in price and will be included in the public database. Third party customers must have a signed authorization form by the material manufacturer to receive this discounted price.

** Filler Status: Filler status only pertains to what filler information will show up in the material file. This option does not dictate the data status as confidential or nonconfidential.

Pre-processing Conditions:

Drying Needed? Yes No

Temperature (°C): _____

Time (Hours): _____

Target Moisture (%): _____

Processing Conditions:

Melt Processing Temperature Range (°C): Minimum: _____ Maximum: _____

Mold (Die) Temperature Range (°C): Minimum: _____ Maximum: _____

Decomposition Temperature (°C): _____

Special Instructions and Precautions:

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Code	Test Description	Material	Select
MPL-001	Confidential Testing <i>Data will not be added to the Public Material Database.</i>	-	<input type="checkbox"/>
MPL-110	Autodesk Moldflow Filling <i>Includes: Shear Viscosity, Specific Heat, Thermal Conductivity, Mold Validation. Supplemental Data: PvT and Mechanical, unless provided by the customer.</i>	25kg	<input type="checkbox"/>
MPL-125	Autodesk Moldflow Filling and Packing <i>Includes: Shear Viscosity by IMR, Specific Heat, Thermal Conductivity, PvT, Mold Validation. Supplemental Data: Mechanical. Supplemental Data: Mechanical, unless provided by the customer.</i>	25kg	<input type="checkbox"/>
MPL-130	Autodesk Moldflow Filling, Packing, Shrinkage and Warpage <i>Includes: Shear Viscosity by IMR, Specific Heat, Thermal Conductivity, PvT, CLTE and Mechanical, Mold Validation. (NO CRIMS/STAMP)</i>	40kg	<input type="checkbox"/>
MPL-135	Autodesk Moldflow Filling, Packing and Shrinkage <i>Includes: Shear Viscosity by IMR, Specific Heat, Thermal Conductivity, PvT, Shrinkage Analysis (CRIMS/STAMP), Mold Validation. Supplemental Data: Mechanical, unless provided by the customer.</i>	50kg	<input type="checkbox"/>
MPL-150	Autodesk Moldflow Filling, Packing, Shrinkage and Warpage <i>Includes: Shear Viscosity by IMR, Specific Heat, Thermal Conductivity, PvT, CLTE and Mechanical, Shrinkage Analysis (CRIMS/STAMP), Mold Validation.</i>	50kg	<input type="checkbox"/>
MPL-185	MIM/PIM/CIM <i>Includes: Shear Viscosity by Capillary Rheometer, Thermal Conductivity, Specific Heat, PvT</i>	5kg +Molded Part**	<input type="checkbox"/>
Therma-flo	<i>Polymer analysis method and software that measures and displays the material properties of a plastic melt in actual molding conditions.</i>	15kg	<input type="checkbox"/>
Code	Individual Testing Add-ons (Not included in any standard package)	Material	Select
MPL-410	Viscoelasticity for Birefringence <i>Viscoelastic properties used for the Birefringence model tested by Autodesk Moldflow Plastics Labs in Australia (customer supplied Stress Optical coefficient and refractive index of the unoriented melt)</i>	5kg	<input type="checkbox"/>
MPL-420	Crystallization <i>Crystalline kinetic properties tested by Autodesk Moldflow Plastics Labs in Australia</i>	2kg	<input type="checkbox"/>
MPL-036	Pressure Dependent Viscosity by IMR <i>Characterizes the Cross-WLF model with the D3 coefficient. Must be ordered with MPL-035 or a test containing MPL-035.</i>	5kg	<input type="checkbox"/>
MPL-037	High Shear Viscosity by IMR <i>Extremely high shear rates in addition to the standard shear rate profile. Must be ordered with MPL-035 or a test containing MPL-035.</i>	5kg	<input type="checkbox"/>
Code	Individual testing (Included in most standard packages)	Material	Select
MPL-013	pVT (Pressure – Volume – Temperature) <i>Understanding the relationship of specific volume to pressure and temperature conditions</i>	5kg or Molded Part**	<input type="checkbox"/>
MPL-032	Shear Viscosity by Capillary Rheology <i>Requires thermal data to process result; customer supplied or ordered.</i>	2kg	<input type="checkbox"/>
MPL-035	Shear Viscosity by IMR <i>Requires thermal data to process result; customer supplied or ordered.</i>	10kg	<input type="checkbox"/>
MPL-050	Specific Heat <i>DSC thermal scan including multi-point Specific Heat, Transition Temperature and Ejection Temperature.</i>	2kg	<input type="checkbox"/>
MPL-056	Thermal Conductivity <i>Transient Plane thermal scan evaluating multi-point Thermal Conductivity</i>	5kg or Molded Part**	<input type="checkbox"/>
MPL-205	Shrinkage <i>Autodesk Proprietary testing fit to the CRIMS/STAMP model. Requires filling and packing data to process result; customer supplied or ordered.</i>	25kg	<input type="checkbox"/>
MPL-355	CTE and Mechanicals <i>Molding of Mechanical Plaques to test, CLTE (Longitudinal & Transverse), Elastic Modulus (Longitudinal & Transverse), Shear Modulus, Poisson's Ratio (Longitudinal & Transverse).</i>	15kg	<input type="checkbox"/>

**Molded parts need to be roughly 3.2mm thick and larger than 50mm in diameter.