



Material Testing Order Form (Thermoplastics)

Contact Information:

Name: _____

Company: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Country: _____ Phone: _____

_____ E-mail: _____

Material:

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

Family Abbreviation: _____

Trade Name: _____

Lot Number: _____

Manufacturer: _____

Filler 1 (% and type): _____

Filler 2 (% and type): _____

Filler Status: Not Confidential Confidential

Pre-processing Conditions:

Drying Needed? Yes No Pre-dried

Temperature (°C): _____

Time (Hours): _____

Target Moisture (%): _____

Processing Conditions (MFR is optional):

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

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

Melt Flow Rate (g/10 mins): _____ Temperature (°C): _____ Mass (kg): _____

Special Instructions & Precautions:

Code [SKU]	Test Description	Material	Select
MPL-001	Confidential Testing <i>Data will not be added to the Public Material Database.</i> Confidential material data is subject to being shared with Autodesk in order to maintain CRIMS data for new releases	-	<input type="checkbox"/>
MPL-110	Autodesk Moldflow Filling <i>Includes: MPL-035, MPL-050, MPL-056, Mold Validation.</i> <i>Supplemental CTE and mechanical data is used, unless provided by the customer.</i>	25kg	<input type="checkbox"/>
MPL-125	Autodesk Moldflow Filling and Packing <i>Includes: MPL-013, MPL-035, MPL-050, MPL-056, Mold Validation.</i> <i>Supplemental CTE and mechanical data is used, unless provided by the customer.</i>	25kg	<input type="checkbox"/>
MPL-130	Autodesk Moldflow Filling, Packing, 3D Shrinkage and Warpage <i>Includes: MPL-125, MPL-355 (NO CRIMS).</i>	40kg	<input type="checkbox"/>
MPL-135	Autodesk Moldflow Filling, Packing and Shrinkage <i>Includes: MPL-125, MPL-205.</i> <i>Supplemental CTE and mechanical data is used, unless provided by the customer.</i>	50kg	<input type="checkbox"/>
MPL-150	Autodesk Moldflow Filling, Packing, Shrinkage and Warpage <i>Includes: MPL-135, MPL-355.</i>	50kg	<input type="checkbox"/>
5 x MPL-110	Autodesk Moldflow Filling (5 pack) <i>Submit complete order form for material 1.</i> <i>Submit Page 1 only for each of materials 2 – 5.</i>	25kg per material	<input type="checkbox"/>
5 x MPL-125	Autodesk Moldflow Filling and Packing (5 pack) <i>Submit complete order form for material 1.</i> <i>Submit Page 1 only for each of materials 2 – 5.</i>	25kg per material	<input type="checkbox"/>
5 x MPL-130	Autodesk Moldflow Filling, Packing, 3D Shrinkage and Warpage (5 pack) <i>Submit complete order form for material 1. Submit Page 1 only for each of materials 2 – 5.</i>	40kg per material	<input type="checkbox"/>
5 x MPL-135	Autodesk Moldflow Filling, Packing and Shrinkage (5 pack) <i>Submit complete order form for material 1.</i> <i>Submit Page 1 only for each of materials 2 – 5.</i>	50kg per material	<input type="checkbox"/>
5 x MPL-150	Autodesk Moldflow Filling, Packing, Shrinkage and Warpage (5 pack) <i>Submit complete order form for material 1.</i> <i>Submit Page 1 only for each of materials 2 – 5.</i>	50kg per material	<input type="checkbox"/>

Code [SKU]	Test Description	Material	Select
Ж MPL-013	pvT	Molded part	<input type="checkbox"/>
Ж 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-036	Pressure Dependent Viscosity by IMR <i>Must be ordered with MPL-035 or a test containing MPL-035.</i>	10kg	<input type="checkbox"/>
MPL-037]	High Shear Viscosity by IMR <i>Must be ordered with MPL-035 or a test containing MPL-035.</i>	10kg	<input type="checkbox"/>
Ж MPL-050]	Specific Heat <i>Includes: Transition Temperature and Ejection Temperature.</i>	2kg	<input type="checkbox"/>
Ж MPL-056	Thermal Conductivity	2kg	<input type="checkbox"/>
MPL-205	Shrinkage <i>Requires filling and packing data to process result; customer supplied or ordered.</i>	25kg	<input type="checkbox"/>
MPL-355	CTE and Mechanicals <i>Includes: Prepare Injection Molded Plaques, CTE (Longitudinal & Transverse), Elastic Modulus (Longitudinal & Transverse), Shear Modulus, Poisson's Ratio (Longitudinal & Transverse).</i>	15kg	<input type="checkbox"/>

Beaumont Advanced Processing 6100 W Ridge Road Erie, PA 16506	Material Testing Order Form (Thermoplastics)	
		Rev. L
	Date: 05/30/17	Page 4 of 4

General Information

Pricing:

Please contact your local representative for a formal quote.

Testing Capabilities:

The tests listed in this order form are applicable for standard thermoplastic materials.

We have the capability to test materials up to melt temperatures of 380°C and mold temperatures of 200°C.

There are separate Material Testing Order Forms for thermoset and powder injection molding (ceramic and metal) materials. Please contact your local representative for these forms.

Shipping:

Shipping of thermoplastic materials 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.

Materials originating within the USA require:

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

Materials originating outside the USA require:

- Completed Material Testing 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. A confirmation of delivery date will be sent to the customer upon receipt of the material and other prerequisites.

Confidentiality Policy:

Non confidential 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 material data is subject to being shared with Autodesk in order to maintain CRIMS data for new releases.**

Contact Information:

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