

The Practice of designing plastic products using computer-based finite element flow analysis software has become increasingly sophisticated since its conception in the late 1970's. In order to produce accurate predictions it is essential to use the appropriate material properties data. Different materials, even of the same generic type, can behave in substantially different ways during processing. Modern software packages have material database systems that contain the necessary characteristics on many hundreds of thermoplastics, although they cannot cover every material a user is liable to consider. For this reason Gammadot offers a material characterisation service.

Gammadot Rheology offers a portfolio of testing services aimed at providing accurate materials data for a wide variety of finite element flow simulation software packages including **Moldflow & Sigmasoft 3D**.

Material Characterisation Packages Include:



High Shear Viscometry








PvT Behaviour

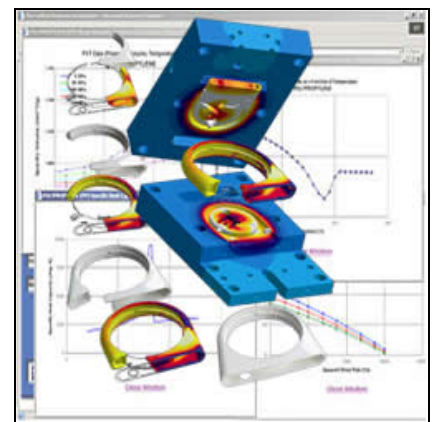


Specific Heat Capacity



Thermal Diffusivity

-  **Shear Viscosity vs. Shear Rate**
-  **PvT Behaviour**
-  **Specific Heat Capacity**
-  **Thermal Diffusivity/Conductivity**
-  **Transition/Ejection Temperatures**



If you would like to discuss any aspect of our characterisation services in more detail, please contact Mark Edwards at Gammadot by Telephone on: +44 (0)1939 291677 or email: medwards@gammadot.com or simply fill in the applicable sections below and fax back this form.

FAX BACK: +44 (0)5600 753945 FAO: Mark C. Edwards

Name:.....

Title:.....

Email:.....

Telephone:..... Fax:.....

Company:.....

Address:.....

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