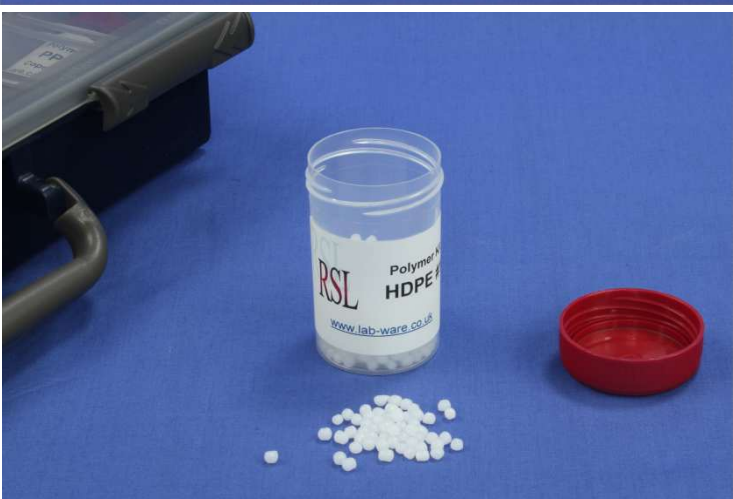
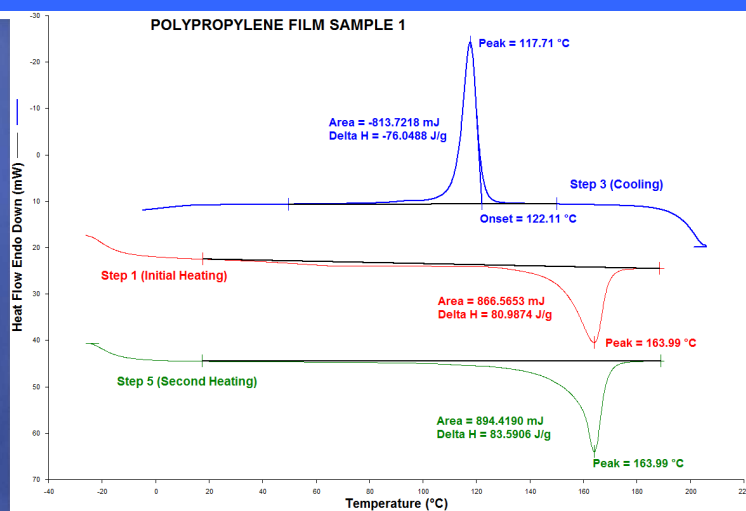


# Characterised Polymer Sample Library

Containing 14 Common Packaging Materials  
And Two Filler Materials  
For DSC and FTIR



Polymers can be found in all manner of everyday applications, and the materials selected for the polymer kit available from Ruston Services Ltd have been selected to cover a wide range of behaviours. All of the materials have been characterised by experts using FTIR and either DSC or TGA, giving confidence in the data supplied, and separate data sheets are provided for each material when comparing with your own analysis.

Characterisation data sheets include: DSC or TGA curves which have been calculated to show values etc; suggested analysis methods; sample sizes; sample preparation suggestions; FTIR data, and proofs of temperature accuracy for the analysis provided. Thermal analysis data is also provided as ASCII text files, allowing data to be imported into your own software for comparisons with your own materials.

The FTIR data shows the infrared spectrum for each material, and the results of using a spectrum database search, with data provided in PDF format.

All supplied data is available on a USB stick included with each kit. The data supplied is NOT copy-protected, and users are allowed to pass on methods and characterisation data.

# Polymer Library Contents and Specifications

[www.lab-ware.co.uk](http://www.lab-ware.co.uk)

## Specifications

<p>Polymer Materials</p> <p>Kit includes approximately 15g of each material</p>	<p>EVA Ethylene Vinyl Acetate</p> <p>Recycled LDPE Low Density Polyethylene with included MDPE</p> <p>LDPE Low Density Polyethylene</p> <p>LLDPE Linear Low Density Polyethylene</p> <p>MDPE Medium Density Polyethylene</p> <p>HDPE #1 High Density Polyethylene (UHMW)</p> <p>HDPE #2 High Density Polyethylene</p> <p>PS Polystyrene (amorphous—no cooling data included)</p> <p>PP #1 Polypropylene Homopolymer</p> <p>PP #2 Polypropylene Copolymer</p> <p>PA6 Polyamide 6</p> <p>PA66 Polyamide 6,6</p> <p>EVOH Ethylene Vinyl Alcohol</p> <p>PET Polyethylene Terephthalate</p>
<p>Inorganic Materials</p>	<p>CaCO<sub>3</sub></p> <p>Carbon Black</p>
<p>Polymer Characterisation Information Provided</p>	<p>DSC Data for each polymer material in PDF format, including recommended temperature program and graphical views of the data. The polymer manufacturer information is included, as well as an FTIR spectrum and FTIR library search results.</p>
<p>Inorganic Materials</p>	<p>The CaCO<sub>3</sub> and carbon black are characterised by TGA, with method information, heating rates, temperature range, and curve data. Also provided are FTIR and search data.</p>
<p>Data Format</p>	<p>Method and characterisation data by both FTIR and DSC or TGA are supplied on a USB stick in PDF format and text format, allowing import into other software types.</p>

## Ordering Information

<p>Quotation Requests</p>	<p>Please email your requirements to <a href="mailto:sales@rustons.org.uk">sales@rustons.org.uk</a>, stating how many kits you wish to order, and to which country for delivery.</p> <p>Quotations are normally valid for 60 days.</p>
<p>Ordering</p>	<p>Please send your official order number to the address below or by email to <a href="mailto:sales@rustons.org.uk">sales@rustons.org.uk</a></p> <p>If your organisation is VAT registered, please ensure that your VAT number is clearly visible on your order.</p>
<p>Delivery</p>	<p>Delivery is normally 4 - 6 weeks from receipt of order. We may be able to provide faster delivery in some circumstances</p>

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