

# **RAY-RAN** POLYTEST

Sample and Component Testing

## Low Temperature Brittleness

RR2000 : Low Temperature Brittleness Tester

### Product Description

Designed to study the effects on plastic polymers when subjected to impact loads at low temperature.



Many materials which are flexible at normal ambient temperature become brittle at low temperatures, which severely effects the material's impact strength. By plotting the percentage failure rate of the test samples against the reduction in temperature, the brittleness temperature where 50% of the test sample will fail can be determined.

### Technical Specification

<b>INTERNATIONAL TEST STANDARDS</b>
ASTM D746-73 ISO R974
<b>TEMPERATURE RANGE</b>
-70°C to 200°C

### Features

- Test specimen punch and die to produce test samples
- Test specimen clamp to hold the test samples in a cantilever beam support
- Test specimen striker
- Insulated bath with digital temperature control and integral stirrer to ensure a uniform bath temperature
- Product User Manual
- CE mark of conformity
- Year 2000 Compliant



**RAY-RAN TEST EQUIPMENT LTD**

Kelsey Close • Attleborough Fields Industrial Estate  
Nuneaton • Warwickshire • CV11 6RS • United Kingdom  
Tel: +44 (0)24 7634 2002 • Fax: +44 (0)24 7664 1670

E-Mail: [polytest@ray-ran.com](mailto:polytest@ray-ran.com)

Web Site: <http://www.ray-ran.com>