



Test Report

Client: REVISS
6 CHILERN COURT, ASHERIDGE ROAD, CHESHAM,
BUCKINGHAMSHIRE, HP5 2PX

Order No: RSL06797
Test Date: 22/06/09

Material Spec: S355
Sample Description: 6mm Plate

Comments: TENSILES LONGITUDINAL TO GRAIN

Mechanical Properties Tested in accordance with BSEN 10002-1 :2001

All requirements are minimum unless stated.

Table with 12 columns: Test No, ID, Area, Temp °C, Units, 0.2% Proof Stress, UTS, Elongation %, Reduction of Area %, Hardness, Izod (ft/lbs). Rows include Requirements, Results for F643, F644, and F645.

Remarks: *Reduction of Area values are approximate

Authorised Signatory

Handwritten signature of L Mangham

L Mangham
Test House Manager

END OF RESULTS

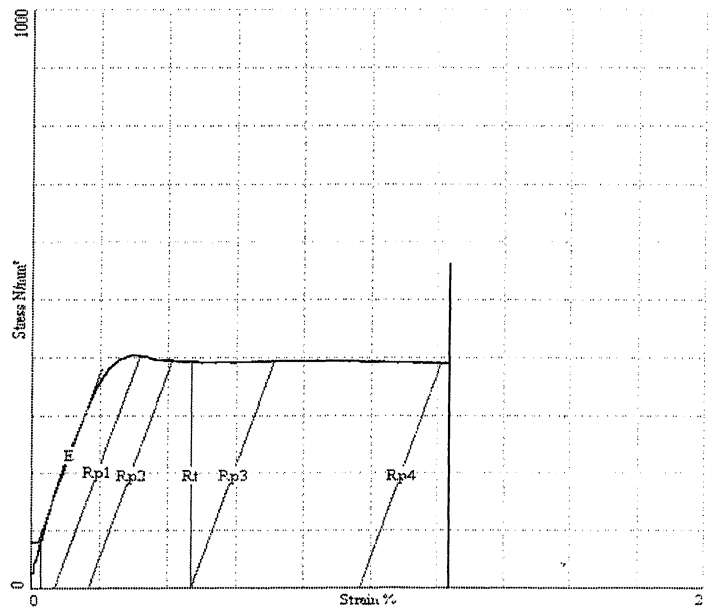
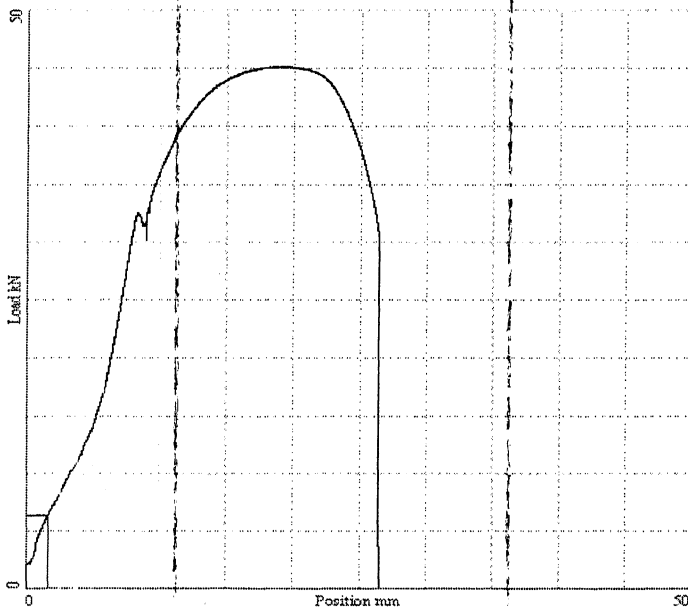
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SHEFFIELD TESTING LABORATORIES MATERIAL TESTING SYSTEM

Monday, June 22, 2009 12:53:44

| | |
|---------------------------------|--|
| Test Reference.....: | 5024 |
| Batch Reference #1.....: | 9060433 |
| Batch Reference #2.....: | F643 |
| Specification Id.....: | Flat Tensile |
| Description.....: | Flat Tensile |
| Test Type.....: | Tensile |
| Test Standard.....: | BS EN 10 002-1 |
| Date.....: | 22/06/2009 |
| Time.....: | 12:48:48 |
| Machine Operator.....: | Ben |
| Cross-Sectional Area.....: | 80.37 mm ² |
| Thickness.....: | 6.44 mm |
| Width.....: | 12.48 mm |
| Specimen Geometry.....: | Solid Rectangular Bar |
| Specimen Gauge Length.....: | 50 mm |
| Parallel Length.....: | 75 mm |
| Extensometer Gauge Length.....: | 25 mm |
| Maximum Load.....: | 45.18 kN |
| Ultimate Tensile Strength.....: | 562.141 N/mm ² (45.18 kN) |
| Fracture Strength.....: | 85.6028 N/mm ² (6.88 kN) |
| Young's Modulus.....: | 162.5 kN/mm ² |
| Rt(0.5%).....: | 392.926 N/mm ² (31.58 kN) |
| Rp1(0.1%).....: | 402.826 N/mm ² (32.3756 kN) |
| Rp2(0.2%).....: | 393.314 N/mm ² (31.6111 kN) |
| Rp3(0.5%).....: | 393.424 N/mm ² (31.62 kN) |
| Rp4(1%).....: | 390.489 N/mm ² (31.3840 kN) |
| Temperature.....: | Ambient |
| % Elongation.....: | 29.4 |
| % Reduction in Area.....: | 100 |
| Load Device.....: | Load1 |
| Load Serial No.....: | . |
| Extr Device.....: | Extr1 |
| Extr Serial No.....: | . |

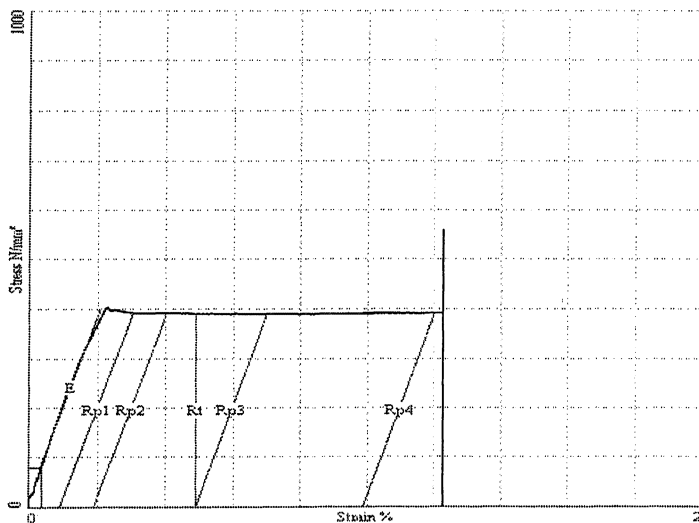
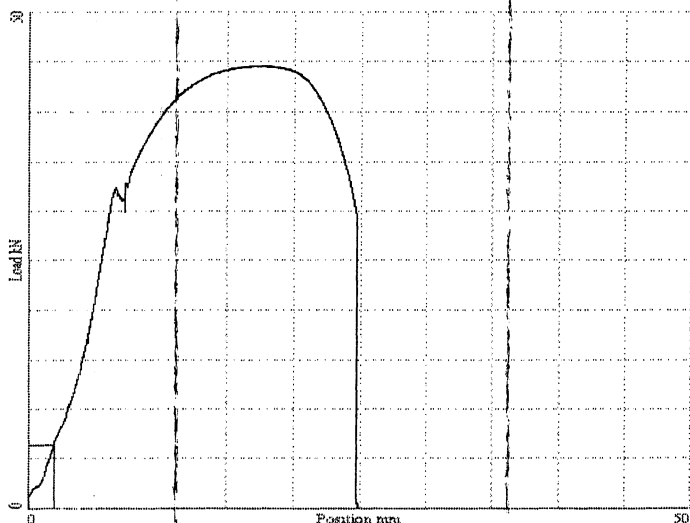




SHEFFIELD TESTING LABORATORIES MATERIAL TESTING SYSTEM

Monday, June 22, 2009 13:06:56

| | |
|---------------------------------|--|
| Test Reference.....: | 5025 |
| Batch Reference #1.....: | 9060433 |
| Batch Reference #2.....: | F644 |
| Specification Id.....: | Flat Tensile |
| Description.....: | Flat Tensile |
| Test Type.....: | Tensile |
| Test Standard.....: | BS EN 10 002-1 |
| Date.....: | 22/06/2009 |
| Time.....: | 13:00:53 |
| Machine Operator.....: | Ben |
| Cross-Sectional Area.....: | 79.79 mm ² |
| Thickness.....: | 6.44 mm |
| Width.....: | 12.39 mm |
| Specimen Geometry.....: | Solid Rectangular Bar |
| Specimen Gauge Length.....: | 50 mm |
| Parallel Length.....: | 75 mm |
| Extensometer Gauge Length.....: | 25 mm |
| Maximum Load.....: | 44.56 kN |
| Ultimate Tensile Strength.....: | 558.454 N/mm ² (44.56 kN) |
| Fracture Strength.....: | 7.01828 N/mm ² (0.56 kN) |
| Young's Modulus.....: | 183.1 kN/mm ² |
| Rt (0.5%).....: | 390.444 N/mm ² (31.1541 kN) |
| Rp1 (0.1%).....: | 392.773 N/mm ² (31.34 kN) |
| Rp2 (0.2%).....: | 391.269 N/mm ² (31.22 kN) |
| Rp3 (0.5%).....: | 389.881 N/mm ² (31.1092 kN) |
| Rp4 (1%).....: | 391.362 N/mm ² (31.2274 kN) |
| Reh.....: | 405.055 N/mm ² (32.32 kN) |
| Rel.....: | 393.775 N/mm ² (31.42 kN) |
| Temperature.....: | Ambient |
| % Elongation.....: | 29.4 |
| % Reduction in Area.....: | 64.96 |
| Load Device.....: | Load1 |
| Load Serial No.....: | . |
| Extr Device.....: | Extr1 |
| Extr Serial No.....: | . |





SHEFFIELD TESTING LABORATORIES MATERIAL TESTING SYSTEM

Monday, June 22, 2009 13:16:38

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|--------------------------------|--|
| Test Reference..... | 5026 |
| Batch Reference #1..... | 9060433 |
| Batch Reference #2..... | F645 |
| Specification Id..... | Flat Tensile |
| Description..... | Flat Tensile |
| Test Type..... | Tensile |
| Test Standard..... | BS EN 10 002-1 |
| Date..... | 22/06/2009 |
| Time..... | 13:10:09 |
| Machine Operator..... | Ben |
| Cross-Sectional Area..... | 80.69 mm ² |
| Thickness..... | 6.44 mm |
| Width..... | 12.53 mm |
| Specimen Geometry..... | Solid Rectangular Bar |
| Specimen Gauge Length..... | 50 mm |
| Parallel Length..... | 75 mm |
| Extensometer Gauge Length..... | 25 mm |
| Maximum Load..... | 45.28 kN |
| Ultimate Tensile Strength..... | 561.137 N/mm ² (45.28 kN) |
| Fracture Strength..... | 20.5717 N/mm ² (1.66 kN) |
| Young's Modulus..... | 142 kN/mm ² |
| Rt (0.5%)..... | 395.324 N/mm ² (31.9 kN) |
| Rp1 (0.1%)..... | 397.555 N/mm ² (32.08 kN) |
| Rp2 (0.2%)..... | 395.587 N/mm ² (31.9211 kN) |
| Rp3 (0.5%)..... | 392.974 N/mm ² (31.7104 kN) |
| Rp4 (1%)..... | 392.102 N/mm ² (31.64 kN) |
| Temperature..... | Ambient |
| % Elongation..... | 30.8 |
| % Reduction in Area..... | 63.79 |
| Load Device..... | Load1 |
| Load Serial No..... | . |
| Extr Device..... | Extr1 |
| Extr Serial No..... | . |

