

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>0402</p> <p>Accredited to ISO/IEC 17025:2005</p>	<p>Impact Laboratories Limited Trading as Impact Solutions</p> <p>Issue No: 028 Issue date: 13 January 2012</p>	
	<p>PO Box 21 Bo'ness Road Grangemouth FK3 9XH</p>	<p>Contact: Mr G Falconer Tel: +44 (0)1324 489182 Fax: +44 (0)1324 489633 E-Mail: gregg.falconer@impact-solutions.co.uk Website: www.impact-solutions.co.uk</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>PACKAGING FOR THE TRANSPORT OF DANGEROUS GOODS</p> <p>UN Chapter 6.1 Packagings</p> <p>Boxes: Fibreboard</p> <p>Drums: Metals Plastics</p> <p>Jerricans: Metals Plastics</p> <p>Composite packaging: Plastic receptacle</p> <p>THERMOPLASTICS STORAGE TANKS AND BUNDS (of polyethylene for chemicals and domestic heating oils)</p>	<p><u>Performance Tests</u></p> <p>Drop tests (preconditioning at -18 °C (plastics))</p> <p>Stack tests (ambient temperature and 40 °C as required)</p> <p>Leakproofness tests</p> <p>Internal pressure (hydraulic) tests</p> <p>Conditioning to 23 °C/50% RH (fibreboard) as required</p> <p><u>Performance Tests</u></p> <p><i>Tanks and Bunds</i> Capacity Visual inspection Mass Wall thickness Impact resistance Elongation and deformation Pressure resistance Leak tightness Overflow</p>	<p>Operational Instructions for UN Test Stations issued by VCA Dangerous Goods Office under the authority of the DfT</p> <p>EN 13341:2008 Annex B (except B.9) OFS T100:Iss 06:July 2008 BS EN 13575:2004 Annex B</p>



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THERMOPLASTICS STORAGE TANKS AND BUNDS (of polyethylene for chemicals and domestic heating oils)	<u>Performance Tests</u> (cont'd) <i>Materials</i> Density Melt flow rate Tensile strength Elongation Resistance to oil Resistance against chemicals Resistance to weathering	EN 13341:2008 Annexes A.1 and A.2 BS EN 13575:2004 Annex B
PLASTIC PIPES, DUCTS AND FITTINGS Thermoplastic pipe and fittings (maximum diameter 110 mm)	<u>Performance Tests</u> Hydraulic pressure testing over an applied pressure range equivalent to 200 kPa to 4 MPa (Temperature range - 20 °C to 95 °C 'water in water') Notched pipe testing of polyolefin pipes Long-term hydrostatic strength	ISO 1167-1:2006 ISO 1167-2:2006 ISO 13479:1997 BS EN ISO 9080:2003
PLASTICS	<u>Physical Tests</u> Melt flow rate Density Resistance to UV ageing Absorption of liquid chemicals <u>Mechanical Tests</u> Tensile strength, elongation Environmental stress cracking of polyethylene Compatibility tests	BS EN ISO 1133:2005 BS EN ISO 1183-2:2004 BS EN ISO 4892-1:2001 BS EN ISO 4892-2:2006 Documented In-House Method based on BS EN ISO 16101:2004 Annex B.4.1 BS EN ISO 527-1:1996 BS EN ISO 527-2:1996 BS EN ISO 527-3:1996 BS ISO 16770:2004 BS EN ISO 16101:2004



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PLASTICS (cont'd)	<u>Mechanical Tests</u> (cont'd) Resistance to absorption Resistance to environmental stress cracking Resistance to molecular degradation	Annex B.4.1 (Method A) Annex B.4.2.4 (Method B3) Annex B.4.3.3 (Method C1)
	END	