Argoshield® Light

Argoshield® Light has been formulated specifically for welders using the GMAW process on carbon steel typically less than 4 mm thick. This gas mixture, which can be used in all positions, produces low heat input and narrow weld beads, so reducing distortion and burn-through. Together with its excellent arc stability and high speed capability for welding thin sheet, Argoshield® Light is easy to use, provides a quality weld and minimises overall cost.

Afrox MSDS number: SG/MSDS 3

Hazards
• Asphyxiant in high concentrations
• Compressed – high pressure gas mixture in cylinders
• Use only approved pressure rated equipment.

Classifications

<table>
<thead>
<tr>
<th>Gas Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argon</td>
</tr>
<tr>
<td>Carbon dioxide</td>
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<tr>
<td>Oxygen</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Mass (kg)</th>
<th>Cylinder Capacity (/)</th>
<th>Pressure @ 20ºC (Bar)</th>
<th>Valve Outlet Connection</th>
<th>Item Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARGOSHIELD® LIGHT CYL 17.8 KG</td>
<td>17.8</td>
<td>50.0</td>
<td>200</td>
<td>5/8&quot; BSPF right hand female</td>
<td>24-SE-LIG</td>
</tr>
<tr>
<td>ARGOSHIELD® LIGHT CYL 3.6 KG</td>
<td>3.6</td>
<td>10.0</td>
<td>200</td>
<td>5/8&quot; BSPF right hand female</td>
<td>24-IE</td>
</tr>
</tbody>
</table>

Applications
• Duct and sheet metal engineering industries
• Automotive components manufacture
• Vehicle repair
• Cabinets/steel furniture manufacture
• Domestic appliance manufacture
• Light gauge storage tanks.

Features | Benefits
--- | ---
Excellent arc stability | Minimal spatter
Low distortion | Easy to use. Minimises post weld treatment
Low oxidation potential | Good appearance and quality finish
Wide operating envelope | Allows high productivity. Easy to use
Low levels of nitrogen and moisture | Low porosity and other defects
High levels of accuracy and quality control during production | Reproducible weld quality from cylinder to cylinder
Precautions in Use

- Asphyxiant in high concentrations
- Compressed high pressure gas in cylinders
- Use only approved pressure rated equipment
- Do not allow oil or grease on cylinder or valve
- Open cylinder valves slowly
- Close cylinder valves when not in use
- Cylinders should be secured from falling over.

Material Compatibility

Argoshield® Light is non-corrosive and so any common metal is acceptable, provided the equipment is designed to withstand process pressure.

Current/Voltage Envelope

Operating limits for 0.8 mm, 0.9 mm, 1.0 mm and 1.2 mm diameter wires.

Electrode stick out, contact tip-to-work distance 18 mm for spray, 15 mm for dip, gas flow rate 15 l/min