Technical Information

Product Description

FIRELINE 17/80 HMX LS XHV is designed for use in “high shot density” perforating systems where charge interference may be of concern and employs “shrinkage resistant” construction materials with a higher nominal velocity of detonation (+13% nominal VOD) than standard HMX cord. A more flexible nylon jacket facilitates easier installation in the newer combination (wireline and/or TCP) high shot density systems that use significant charge alignment deviations. Recommended service applications are within the normal HMX operating range (see graph below).

Temperature Range

The temperatures listed are maximum values. DO NOT EXCEED.

<table>
<thead>
<tr>
<th>Temperature in Degrees C (F)</th>
<th>Temperature in Degrees C (F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>204 (400)</td>
<td>191 (375)</td>
</tr>
<tr>
<td>177 (350)</td>
<td>177 (350)</td>
</tr>
<tr>
<td>149 (300)</td>
<td>177 (350)</td>
</tr>
<tr>
<td>121 (250)</td>
<td>177 (350)</td>
</tr>
<tr>
<td>90 (200)</td>
<td>163 (325)</td>
</tr>
<tr>
<td>66 (150)</td>
<td>163 (325)</td>
</tr>
<tr>
<td>38 (100)</td>
<td>162 (325)</td>
</tr>
<tr>
<td>10 (50)</td>
<td>204 (400)</td>
</tr>
</tbody>
</table>

Temperature in Degrees C (F)  10  20  30  40  50  60  70  80  90  100  110  120  130  140  150  160  170  180  190  200  210  220  230  240  250  260  270  280  290  300  310  320  330  340  350  360  370  380  390  400

• **Temperature resistance** is based upon the manufacturer’s laboratory tests in air, at ambient pressure only.
• **Shrinkage** is defined as the overall decrease in length.
• **Velocity** was tested unconfined, at ambient pressure, and after “cool down.”

Hazardous Shipping Description

Alternative packaging: FIREPAK® 1.4S air cargo shipping containers
Product Code A572017
Articles, Explosive N.O.S., 1.4S UN 0349 II EX 1999010231

See Product Disclaimer on page 2.
Transportation, Storage and Handling

- For maximum shelf-life, detonating cord must be stored in cool, dry, well-ventilated magazines. Explosives inventory should be rotated. Use older inventory first. Recommended shelf life, under proper storage conditions, is ten (10) years from date of manufacture.
- FIRELINE 17/80 HMX LS XHV detonating cords must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.

Application Recommendations

- This product is not recommended for exposure to well bore fluids.
- ALWAYS cut FIRELINE 17/80 HMX LS XHV detonating cord with a sharp knife.
- NEVER attempt to cut FIRELINE 17/80 HMX LS XHV detonating cord with a blow from a sharp or blunt object, such as an axe, pipe wrench, or rock.
- NEVER saw FIRELINE 17/80 HMX LS XHV detonating cord; it may explode and kill or injure.
- NEVER cut detonating cord with devices that produce metal-to-metal contact, such as scissors, wire cutters, crimpers or similar instruments.
- NEVER use this product in open well bore conditions.

Packaging

<table>
<thead>
<tr>
<th>Package</th>
<th>Gross Weight</th>
<th>Net Weight</th>
<th>Explosive Weight</th>
<th>Spools/Case</th>
<th>Length/Spool*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiberboard box</td>
<td>18.14 kg</td>
<td>4.54 kg</td>
<td>2.6 lbs</td>
<td>1</td>
<td>152 m</td>
</tr>
<tr>
<td></td>
<td>40 lbs</td>
<td>10 lbs</td>
<td>5.7 lbs</td>
<td></td>
<td>500 ft</td>
</tr>
</tbody>
</table>

- Weights represent nominal values.
  * ±2%; 152m spools may contain as many as 3 pieces, totally 152 m, with a minimum splice/piece length of 8 m (25 ft).

X-Ray services are also available for high profile applications requiring an extra level of assurance. Product Code: A572011.

Case Dimensions

73.7 X 43.2 X 71.1 cm
29 X 17 X 28 in

Product Disclaimer

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