Oil and Gas Well Application
40 HMX LS RIBBON PERFACORD®

Description: HMX explosive core
Shrink resistant braid (yellow)
Nylon jacket (green)

Application: Special production techniques produce HMX ribbon textile detonating cord. This cord is designed using shrinkage resistant components. It is designed for use in RTG (retrievable tubing gun) perforating systems. It can be deployed within the normal temperature operating range for HMX based explosives (see graph) in carrier based systems. Ribbon cord requires a reduced carrier clearance allowing use of a larger designed shaped charge. Users must satisfy themselves as to the product's suitability for an exposed application.

SPECIFICATIONS

Explosive: 40 gr/ft nominal (8.50 g/m)
Core Load: 32 gr/ft min. (6.64 g/m)
Detonation: 7,800 m/s nominal (25,590 ft/s)
Velocity: 7,100 m/s min. (23,294 ft/s)
Diameter: 0.218” width max. (5.53 mm)
0.130” height max. (3.30 mm)

Shrinkage: 1% max. @ 325°F 24 Hrs
Jacket Thickness: 0.008” min.
Lap Joint Sensitive: Yes

TEMPERATURE (degrees P) / TIME EXPOSURE

SHIPPING INFORMATION

Package Size: 10 9/16” x 10 9/16” x 5 5/16” 4G fiberboard box
Package wt: 10.5 lbs (4.8 Kg) gross
Contents: 1-500 ft. spool & "Warnings/Instructions/Disclaimer" insert. 500 ft. spools may
contain as many as four (4) pieces, totaling 500 ft. (152.4 m), with a minimum splice/piece length of 50 ft.

**UN Name:** Cord, Detonating  
**UN Num.:** 0065  
**UN Class:** 1.1D  
**Ref. Num.:** EX-2005100220  
**Explosive wt:** 2.86 lbs (1.3 Kg)

**Temperature resistance** is based upon the manufacturer's laboratory tests in air at ambient pressure only. No claim, representation, or warranty of any kind is made, expressed or implied, as to the temperature resistance of this product under actual conditions. Users must satisfy themselves as to the product's suitability for a specific application.  
**Shrinkage** is defined as core "pull back" inside the outer jacket.  
**Velocity** was tested unconfined, at ambient pressure, and after "cool down".

**Warning:** Use of this product by persons who lack adequate training experience and supervision may kill or injure.