51-8200-3
DELAY ELEMENT
OIL FIELD ORDNANCE DEVICE

DESCRIPTION
This is a pyrotechnic delay element, used to provide a period of time for manipulation of down-hole pressure and then a detonation, used to initiate detonation of oilfield tubing conveyed perforating guns.

MATERIAL DATA
Ignition end closure disk: Alum. Foil
Output end closure: CRES

SEALING PROPERTIES
Ignition end: Environmental Seal
Output End: Welded Seal

EXPLOSIVE MATERIALS
Ignition Mix: 770 MG A-1A
Delay Mix: 29 GM Tungsten Delay
Output Charge: 740 MG PYX

FIRING CHARACTERISTICS
Ignites from a percussion primer, 2-350220-1 or equivalent.

DELAY TIME
Ambient Temp: 6 min. 30 sec. ± 30 sec.
At 435° F: 4 min. 16 sec approx.

PERFORMANCE
Temperature Rating: 435° F for 200 Hours:
Output: Initiates detonation of an oilfield detonation cord booster.

SHIPPING CLASSIFICATION
NUMBER / CLASS: UN0257 1.4B
NAME: Fuzes, Detonating
REFERENCE NUMBER: EX2003040198
NRCanada Authorized List

EC TYPE EXAMINATION CERT
0080.EXP.03.0040