## 210 MaxForce® – FRAC HMX 21 Grams Shaped Charge

### PROPER SHIPPING NAME

UN0440, CHARGES, SHAPED, 1.4D

### Technical Information

**APPLICATION:**
Shaped charge for oilfield use.

**EXPLOSIVES:**
- Booster: Pure HMX, 1 g ± 0.1 g
- Main load: Desensitized HMX, 20 g ± 0.2 g
- Density: > 1.5 g/cm³

**TEMPERATURE LIMITS:**
- 400 F / 204 C for 1 h
- 338 F / 170 C for 24 h
- 310 F / 154 C for 100 h

**PERFORMANCE:**
- 4 ½" 11.7# L-80 Casing
- Hole Diameter: 0.49 in (12.4 mm)
- EHD Variance: 5.8%
- Penetration: 17.8 in (452.12 mm)

**SHELF LIFE:**
10 years when stored unopened in original packaging. Storage temperature:
- 0 C / 32 F min
- 54 C / 130 F max

**DISPOSAL:**
Dispose of product not suitable for oilfield use according to applicable laws and regulations.

### Packing Information

- **Quantity per box:** 50 pieces
- **Gross weight per box:** 14.96 kg (33 lbs)
- **Net weight per box:** 12.0 kg (26.5 lbs)
- **NEC per box:** 1.0500 kg
- **Box dim:** 45.7 x 30.5 x 16.5 cm
- **Package type:** Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box with conical cavities facing inward.
- **Product Designation:** DP-HMX-021

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