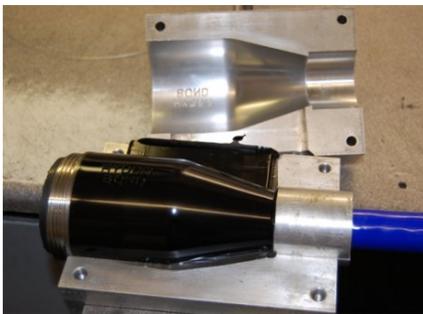


The C200 Encapsulating Rubber which Hydro Bond use for moulding cable splices and overmoulding connector housings etc. is a polyetherurethane rubber. This particular material is heat cured with a diamine based compound to form a polyetherurethane rubber with outstanding physical properties.

C200 should not be confused with cold setting and hot setting polyester based urethanes since these materials have vastly inferior water resistant properties.

The C200 rubber has excellent water and oil resistant properties. The long term water resistance of C200 has been fully investigated over a period of 10 years and these results (see below) show that the material does not appreciably degrade. In addition, our company has first hand practical knowledge of the successful use of C200 in Subsea applications over the past 25 years!



	As Moulded	After 10 year sea water immersion
100% Modulus psi	1100	1040
300% Modulus psi	2100	1500
Tesile Strength psi	4500	4100
Elongation at break %	450	580
Hardness Durometer A	90	80

**Physical properties of C200 Polyetherurethane rubber.**



Working Temperature Range +100°C to - 70°C Specific Gravity 1.1

### Electrical Properties (at 24°C)

D.C. Volume resistivity (Ohm-cm) -  $4.8 \times 10$  to power of 11

Power Factor % - 9.45 at 0.1Kc - 5.9 at 100 Kc

Dielectric Constant (STC) - 9.37 at 0.1Kc - 7.78 at 100Kc

- Neoprene
- Hytel
- Nitrile
- Polyurethane
- Hypalon
- EPR



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