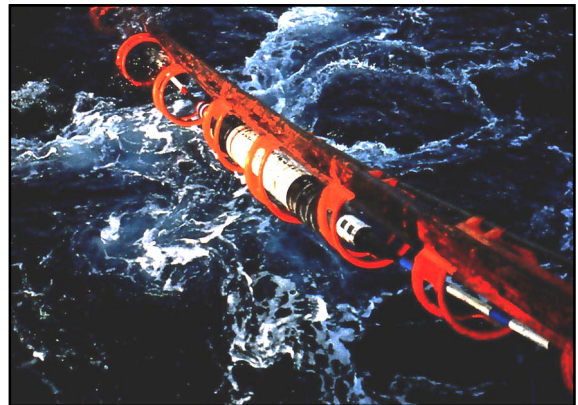


# PDM

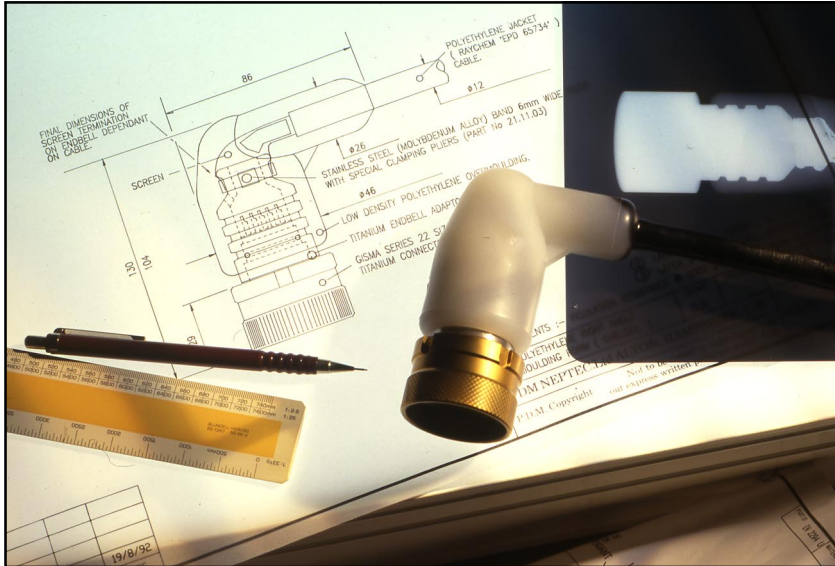
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Subsea products and services



**Polyethylene Moulding**

# Polyethylene Moulding



Engineering design for polyethylene moulding (Courtesy Chelsea Instruments)



These processes have already been successfully used in a number of sub-sea applications, including cableforms and gland assemblies.

PDM will be pleased to discuss your application and advise on the best approach. PDM can carry out your polyethylene moulding under BS EN ISO 9001:2000 using these techniques.



Bond Testing



Polyethylene cables have been extensively used for underwater work because of their intrinsic resistance to all aspects of the sub-sea environment. The applications however have always been limited due to the difficulty in obtaining a reliable bond to other materials. In essence designers have adopted a "polyethylene only" component approach throughout a design.

Many attempts have been made to integrate polyethylene components into assemblies using a variety of techniques - eg. complex mechanical glands, and glutinous sealing substances. Some techniques have worked, but these have usually been expensive to implement.

PDM has now developed a technique for bonding polyethylene to a number of metals - at present, stainless steel, titanium and aluminium. This technique involves a combination of surface preparation, priming & profiled pre-heating. In parallel a technique has also been developed for obtaining a good bond between specially selected polyurethane elastomers and polyethylene.



Gland Assembly

**Please contact us if you require advice on polyethylene moulding. We will be pleased to help you with your project.**

Product brochures are available on

Cable Assemblies  
Epoxy/Rubber Moulded Connectors  
High Density Connectors  
Design and Development Projects  
Underwater Pluggable Connectors  
Micro Wet Pluggable Connectors  
Wet Pluggable Connectors  
Polyurethane Elastomers  
Transition Zone Connectors  
Quickcure Moulding System

Defence Projects  
Titan Connectors  
Penetrators  
Encapsulated Products  
Bend Control Products  
IE55 Connectors  
Hybrid Connectors  
Fibre Optic Connectors  
Fibre Optic Penetrators  
Polyethylene Products

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BS EN ISO 9001:2000