

**PRODUCT  
SPECIFICATION**



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**PS – 293**

**LIGHTWEIGHT POLYMERIC MH MAKE-UP RINGS**

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**292.1 SCOPE**

This specification nominates requirements for lightweight make-up rings made from polymeric materials used for maintenance holes, chambers, and shafts in light duty non-trafficable areas. Composite materials can also be used, including a combination of metallic and polymeric materials.

**292.2 REQUIREMENTS**

The make-up rings shall meet the dimension and ultimate load test requirements specified in AS 4198 (Type L).

Additionally they shall also:

- (a) Have a maximum weight of 20 kg (per component).
- (b) Be manufactured from polymeric materials, including HDPE, PP, modified PP, and uPVC.
- (c) Be secured using recessed profile, dowel pins, or metal fixings when stacked on top of each other to reach the desired height, to prevent side movement.
- (d) Be gas and water tight.

**292.3 QUALITY ASSURANCE**

- (a) Make-up rings shall be manufactured and supplied under cover of a certified ISO 9001 management system.
- (b) The manufacturer shall declare that only such products that conform to this specification will be supplied against orders quoting this specification and shall maintain production and test records supporting the declaration.

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