



Engineering Material Specification

ESM-M5G121-A

3.3.2 Thickness Change, % max

Original Thickness	ASTM No. 1 Oil (5 h at 150°C)	ASTM No. 3 Oil (5 h at 150°C)	ASTM Fuel "A" (24 h at 23 + 2°C)
0.010/0.016 in (0.25/0.41 mm) inclusive	40	70	0 to +35
0.017/0.030 in (0.43/0.76 mm) inclusive	35	65	0 to +30
0.031/0.061 in (0.79/1.55 mm) inclusive	30	60	0 to +25
0.062 in (1.57 mm) and over	25	55	0 to +20

3.4 DENSITY

0.010 in (0.25 mm) thick and over 1.65 - 2.0 g/cm³

3.5 SUPPLIER'S RESPONSIBILITY

Material supplied to this specification must be equivalent to that originally approved. Changes in formulation or processing shall not be made without prior approval as described in Supplier Procedure I-A.

4. APPROVAL OF SUPPLIERS

Suppliers to this specification must be approved by the affected product engineering office. Procedure for gaining approval of a specific material to a new/existing ES-M specification is contained in Supplier Procedure I-A. Approved new suppliers will be added to the Engineering Materials Approved Source List.

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COOPERS MECHANICAL, LTD.

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