

Elastomer Test Apparatus

ASTM D 4289

Product group(s): Oil

User group(s): Engine Oil, Gear Oil, Hydraulic Fluid, Hydraulic Oil, Lube Oil, Lubricating Oil, Oil

Scope: This test method evaluates the compatibility of lubricating greases and fluids with coupons cut from standard elastomer sheets (Practice ASTM D 3182) or, optionally, from SAE Specification AMS 3217/2A (NBR-L) and AMS 3217/3A (CR) sheets.

Compatibility is evaluated by determining the changes in volume and Durometer A hardness that occur when elastomer coupons are totally immersed in a lubricant sample for 70 h at either 100 or 150 °C or as required by the lubricant specification.



Elastomer Test Apparatus

More details are mentioned in the "Order Number" section

Main Unit

17-0780 Elastomer Test Apparatus

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Consisting of:

Tempering Unit:

Heating Oven (15 l, +60 ... +200 °C, with fan) and 10 Glass beakers low form 100 ml.

Weighing Station:

Electronic Multifunction-Balance (for 210:0,001 g or Density up to 2,10:0,0001 m/qcm, Underfloor weighing-unit, calibration weight) with special telescope-double-column-stand, 1 m stainless steel wire Ø 0,5 mm (for sample suspension) and a jack, Glass beaker low form 600 ml.

Hardness Measuring Apparatus:

Shore A-Measuring Apparatus with stand and load weight and sample cutter diameter 40 mm.

Power supply: 230 V, 50 Hz

17-0781 Elastomer Test Apparatus

Like 17-0780 but:

Power supply: 115 V, 60 Hz

Spare Parts

10-0056	Beaker, 600 ml, glass, low shape
17-0783	Beaker, 100 ml, glass, low shape with spout, pack of 10
17-0786	Elastomer Specimen Cutter for diameter 40 mm
17-0787	Wire made of stainless steel diameter 0,5 mm, 1 m for sample suspension
25-0419	Underfloor Hook for Density Balance

Order Guideline

Minimum equipment:	1x 17-0780
Spares (approx. 1 year):	10-0056, 17-0783
Additional requirements:	