D 2020 Density

An automated rubber
density tester.

ALPHATECHNOLOGIES

Features

n Fully automated with 20-sample queue.

n Eliminates operator influence.

n Meets ISO 2781.

n Compensates for changes in specific gravity of liquid with
   temperature.

n Software fully integrated with Eclipse Daisy and Enterprise
   LIMS software.

n LIMS software allows bar code support, specification limits check
   and automated batch reports.

D 2020 Density Specifications

Item	Units
Specific Gravity Range*	1.05 to 2.0
Accuracy Better Than	±0.5%
Standard Deviation (SG 1.05 to 1.4)	0.0015
Standard Deviation (SG 1.4 to 2.0)	0.0030
Automation Samples	20
Sample Diameter	35 to 45 mm
Sample Thickness	4 to 10 mm
Maximum Sample Weight	18 g

*Materials below 1.05 can be measured using a suitable alternative liquid.
Values above 2.0 can be measured, but with reduced accuracy.

D 2020 Density

Performance

n Measures specific gravity/density of cured mixed rubber
   compounds in the range 1.05 to 2.00.
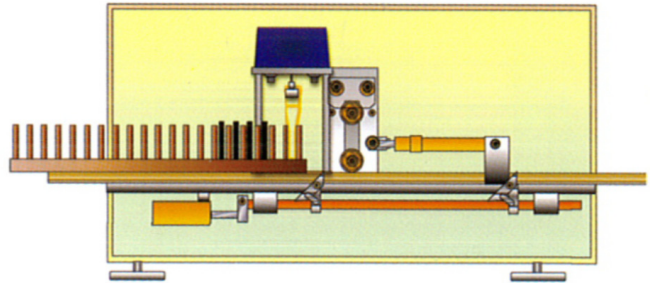
www.alpha-technologies.com

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Test Capabilities

n The D 2020 Density/specific gravity unit uses a "weigh in air" and "weigh in water" method.

n Carrier is "wetted" prior to the first weight to improve consistency of data.

n Rapid readings reduce the effect of water absorption.

n Specific gravity of liquid is corrected for temperature.

Automation of D 2020 Density

Options

n Eclipse Daisy software.

n Enterprise LIMS software.

n D 2020 Hardness tester.

ALPHATECHNOLOGIES