



# APPLE RUBBER PRODUCTS INC.

## Laboratory Test Report

**Compound:** 35SL5ML

**Description:** VMQ, 50 Shore A, Black

**Test Samples:** Test Slabs

**Temperature Range:** -65°C to + 200°C (-85°F to +400°F)

**Recommend For:** Ozone, Weather Resistance, Dry Heat, Low Temperature, Some Petroleum Oils

**Not Recommend For:** Low Abrasion and Tear resistance, Ketones, Silicone Oils

**Agency Status:** UL Listed File JMLU2.MH14216

**End Use:** UL 50, UL 50E, Dry-Cleaning and Dishwashing Detergents, Atmospheric and Generated Ozone

**Standard Test Specification:** ASTM D2000 M7GE506B37EA14EO36F19G11

### Original Physical Properties

### **Requirement    Test Results**

Durometer (ASTM D2240), Shore A, Pts.	50 ± 5	45
Tensile (ASTM D412), MPa, min	6	11.7
Elongation (ASTM D412), %, min	250	502
Tear Resistance Die B (ASTM D624), kN/m, min	9	36.6

### Heat Resistance (ASTM D573) 70 hours @ 225°C

Hardness Change from Original Test Results, Pts.	± 15	+3
Tensile Change from Original Test Results, %	± 30	-29
Elongation Change from Original Test Results, %, max	-50	-23

### Compression Set (ASTM D395), 22 hours @ 175°C

Compression, %, max	+30	+14
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#### Headquarters

310 Erie Street      Phone: (716) 684-6560  
Lancaster, NY 14086      FAX: (716) 684-8302  
**1-800-828-7745**

#### Manufacturing and Engineering

204 Cemetery Road      Phone: (716) 684-7649  
Lancaster, NY 14086      FAX: (716) 683-7053  
**1-800-446-4773**

[www.applerubber.com](http://www.applerubber.com)

[info@applerubber.com](mailto:info@applerubber.com)



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## Fluid Resistance (ASTM D471), 70 hours @ 100°C in Water

Hardness Change from Original Test Results, Pts.	± 5	-2
Volume Swell, %	± 5	0

## Fluid Resistance (ASTM D471), 70 hours @ 150°C in IRM 903

Hardness Change from Original Test Results, Pts., max	-40	-13
Volume Swell, %, max	+60	+51

## Low Temperature Resistance

Brittleness Point (ASTM D2137), 3 min @ -55°C	Nonbrittle	Nonbrittle
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## Outgas Testing (ASTM E595), 24 hours @ 125°C in 5 x 10<sup>-5</sup> Torr Vacuum

TML, %	Report	1.13
CVCM, %	Report	0.42

Date: April 4, 2013

Signature: *John A. Tranquill*

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