



COMPOUND DATA SHEET

Parker O-Ring & Engineered Seals Division (OES) North America

MATERIAL REPORT

MTR: 246731

7/10/2015

Title: Evaluation of Parker Compound E1157-60

Elastomer Type: Ethylene-Propylene Rubber (EPR, EPDM)

Purpose: To obtain typical test data.

Specification: ASTM D2000 M3DA607 A26 B36 C32 EA14 F19

Color: Black

Recommended Temperature Range: -70°F to 250°F

Recommended For: Hot water and steam up to 300°F, glycol based brake fluids (DOT3 and DOT4), silicone based brake fluids (DOT5), many organic and inorganic acids, cleaning agents, sodium and potassium alkalis, many polar solvents (alcohols, ketones, esters), ozone, aging and weather resistant.

Not Recommended For: Mineral oil products (oils, greases and fuels)

Additional Approvals: N/A

REPORT DATA

Original Physical Properties

<u>Original Physical Properties</u>	<u>Test Method</u>	<u>Spec Limits</u>	<u>Test Results</u>
Hardness, Shore A, pts.	ASTM D2240	60 ± 5	61
Tensile Strength, psi. min	ASTM D412	1015	1636
Ultimate Elongation, %	ASTM D412	250	290

(A26) Dry Heat Resistance

70 hrs. @ 302°F (150°C)

Hardness Change, pts	ASTM D573	+ 10	- 1
Tensile Change, %		- 20	0
Elongation Change, %		- 20	+ 2

(B35) Compression Set (Plied)

22 hrs. @ 302°F (150°C)

Percent of Original Deflection, max.	ASTM D395 Method B	25	5
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(C32) Resistance to Ozone

Exposure Method B	ASTM D1171	PASS	PASS
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(EA14) Water Resistance

70 hrs. @ 212°F (100°C)

Volume Change %	ASTM D471	± 5	0
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