December 19, 2017

▪TEST REPORT▪

PN 139116-B

PO 35711

Chemical Analytical Services

Prepared For:

Ms. Monica Whelan
Trelleborg Coated Systems US, Inc.
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Prepared by: _____
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Approved by: _____
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Rev 041916

ACCREDITED
A Testing Lab
*Certificate Numbers 255.01 & 255.02

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December 19, 2017
Ms. Monica Whelan
Trelleborg Coated Systems

Subject: Analytical testing on samples submitted by the above referenced customer

Received: Two (2) orange Polyurethane Coated Nylon samples identified as; Trelleborg Style 1627 No Aging Sample 1 and Aged 168 hrs. @158°F

GAS PERMEABILITY-ASTM D1434-82, PROCEDURE V

Apparatus:	Custom Scientific Model CS-135
Gas Used:	Helium
Test Temperature:	25.0°C
Test Gas Pressure:	15.0 psi
Permeation area of the sample:	66.4 cm^2
Capillary Diameter:	0.12 cm

Gas permeability testing was performed following the test conditions listed above.

TABLE 1 – GAS PERMEATION

Sample ID	Thickness (cm)	Permeability (cm3*cm/(cm2*s*atm))	Permeability (cm3*cm/(cm2*s*Pa))
Trelleborg Style 1627 Aged 168 hrs @158°F	0.0314	1.34528E-07	1.32769E-12
Trelleborg Style 1627 No Aging	0.0337	4.21178E-08	4.15671E-13

Sample ID	Permeance (L/(M2*24hr))
Trelleborg Style 1627 Aged 168 hrs @158°F	3.78064
Trelleborg Style 1627 No Aging	1.10346

Prepared by: **Thomas D. Samples, Assistant Manager**
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Approved by: **Ana C. Barbur, Vice President**
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