



SGS U.S. Testing Company Inc.

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REPORT NUMBER: 123173R-1
DATE: April 8, 1999
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CLIENT: Greenstreak Plastic Products
3400 Tree Court Industrial Boulevard
St. Louis County, MO 63122

SUBJECT: Physical Properties

AUTHORIZATION: Greenstreak Plastic Products - Purchase Order #3142

SAMPLE ID: One (1) sample of material was received from the Client on September 22, 1997. The Client identified the sample as: Compound #9000

TEST PROCEDURE: The submitted sample was tested for the following properties in accordance with the procedures outlined in the corresponding ASTM Test Methods.

Tensile Strength & Elongation	D412-92
Hardness	D2240-95
Oil Swell	D471-95
Ozone Resistance	D518-91
Properties After Aging	D573-94

TEST DATES: September 22, 1997 - September 25, 1997

RESULTS: Continued on Page 2

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SIGNED FOR THE COMPANY BY:

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Member of the SGS Group

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CLIENT: Greenstreak Plastic Products

RESULTS:

Summary

1.	Tensile Strength PSI	
	(a) Original as Received	2470
	(b) After Heat Aging	2450
	(c) % Change	-0.8
2.	Elongation %	
	(a) Original as Received	420
	(b) After Heat Aging	410
	(c) % Change	-2.4
3.	Hardness, Durometer "A" points	
	(a) Original as Received	81
	(b) After Heat Aging	81
	(c) Change, Points	0 (No change)
4.	Oil Swell (ASTM #3 oil, 70 hrs @ 212°F)	
	(a) Volume Swell %	-14.2
	(b) Weight Change %	-10.1
5.	Ozone Resistance	
	(a) 20% Strain, 70 hrs., 300 pphm @ 104°F	No cracking



CLIENT: Greenstreak Plastic Products

RESULTS: Condition: Original As Rec'd.

Tensile Properties

<u>Specimen</u>	<u>Dimension IN.</u>	<u>Tensile Strength PSI</u>	<u>Elongation %</u>
1	0.25 X 0.076	2450	410
2	0.25 X 0.077	2470	430
3	0.25 X 0.077	2500	420
Average		2470	420

Hardness

Durometer Hardness
Shore A 81, 80, 79, 81, 82

Average 81

Oil Swell

<u>Specimen</u>	<u>Initial</u>		<u>Final</u>		<u>Volume Swell %</u>	<u>Weight Change %</u>
	<u>Weight In Air GMS</u>	<u>Weight In Water GMS</u>	<u>Weight In Air GMS</u>	<u>Weight In Water GMS</u>		
1	3.3414	0.8561	3.0069	0.8699	-14.0	-10.0
2	3.2340	0.8272	2.9091	0.8405	-14.1	-10.0
3	3.3811	0.8648	3.0337	0.8820	-14.5	-10.3
					-14.2	-10.1

REPORT OF TEST

CLIENT: Greenstreak Plastic Products

RESULTS:

Ozone Resistance

<u>Condition</u>	<u>Result</u>
70 hours, 300 PPHM @ 104°	No visible evidence of checks or cracks

Condition: After 70 hours @ 212°F

Tensile Properties

<u>Specimen</u>	<u>Dimension IN.</u>	<u>Tensile Strength PSI</u>	<u>Elongation %</u>
1	0.25 X 0.075	2500	420
2	0.25 X 0.076	2550	420
3	0.25 X 0.076	2310	390
Average		2450	420

Hardness

Durometer Hardness
Shore A 80, 82, 78, 83, 80

Average 81

End of Report

REPORT OF TEST