SGS U.S. Testing Company Inc.

291 Fairfield Avenue • Fairfield, NJ 07004 • Tel: 973-575-5252 • Fax: 973-575-7175

CLIENT: Newmat USA Ltd.
25 Surry Hill Place
Huntington, NY 11743

Test Report No:	158601	Date:	August 3, 2001

The following samples were submitted by the client as: Newmat PVC Rail/Extrusion

DATE OF RECEIPT: July 2, 2001

TESTING PERIOD: July 30 – August 1, 2001

AUTHORIZATION: Client Check No. 1020

TEST REQUESTED: The submitted samples were tested for the following Izod Impact, Tensile Strength & Modulus, Deflection Temperature under Flexural Load and Coefficient of Linear Expansion in accordance with the procedure outlined in ASTM D4216-98.

TEST RESULTS: Continued on the following pages

PREPARED BY

Vincent J. Conforti, Supervisor
Engineering Physical Properties
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SIGNED FOR AND ON BEHALF OF SGS U.S. TESTING COMPANY INC.

Frank Savino, Manager
Materials Evaluation

SGS U.S. Testing Company Inc.

Report No.: 158601
Date: 8/03/01

CLIENT: Newmat USA Ltd.

RESULTS:

IZOD IMPACT

	1	2	3	4	5	Average
Width, Inches	.077	.076	.077	.083	.077	
Capacity, In.-Lbs.	50	50	50	50	50	
Scale Reading	23	22	20	24.5	23.0	
Actual Ft. Lbs. (÷12)	1.92	1.83	1.67	2.04	1.92	
Impact Strength, Ft./Lbs. Inch of Notch	24.9	24.1	21.7	24.6	24.9	**24.0**
Type of Break	H	H	H	H	H	

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Report No.: 158601
Date: 8/03/01

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RESULTS:

TENSILE STRENGTH & MODULUS

Specimen	Width, In.	Thickness, In.	PSI Lbs./In.^{2}	T. Modulus, Psi
1	.250	.083	6940	402000
2	.250	.083	6270	311000
3	.250	.077	6750	297000
4	.250	.083	5690	3060000
5	.250	.078	6100	321000
Avg.			6350	347000

Span = 1"
Crosshead Speed: 0.2 in/min

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Report No.: 158601
Date: 8/03/01

CLIENT: Newmat USA Ltd.

RESULTS:

DEFLECTION TEMPERATURE UNDER FLEXURAL LOAD @ 264 PSI

Specimen	Width, In.	Depth, In.	Total Load	Deflection Temp., °F
1	.078	.515	413	155
2	.083	.510	431	154
Avg.				154.5

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Report No.: 158601
Date: 8/03/01

CLIENT: Newmat USA Ltd.

RESULTS:

COEFFICIENT OF LINEAR EXPANSION

Specimen	Length, In/Cm	-30°C	+30°C	-30°C	Coefficient of Linear Thermal Expansion
1	2.000/5.0	0.000	.0083	0.0000	6.92×10^{-5}
2	2.000/5.0	0.000	.0083	0.0000	6.92×10^{-5}
Avg.					6.92×10^{-5}

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End of Report