



Test Certificate

NEWMAT USA, LTD.
25 Surryhill place
Huntington, NY

REF No
Ord No

S101922 : Issue 1
Check No. 2440

11743

Date Tested
Date Reported
Date Received

09/17/01
09/17/01
09/06/01

Attn: Pascal Gicquel

Item - Impact Test on PVC Extrusions

Specification - ASTM D4226-00

002001 PVC Extrusions				
Sample	Test Description	Specification	Result	Comments
001:	INVESTIGATION	See Below	Acceptable	See Below
Item 01: see below				

Certificate Comments

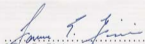
The extrusions were subject to impact strength with an 8 lb. load on a steel impactor.

There was no indication of brittleness on any of the pieces tested.

The impactor began to go through the extrusion at 200 in./lb. force with a smooth distortion of the material.

(see attached data worksheet)

Approved By James E. Zivic


James E. Zivic
Materials Engineer
For and on authority of
Industrial Testing Inc.



**Drop Test on PVC Extrusions
from Newmat USA, Ltd.**

Reference ASTM D 4226-00 23 drops of an 8 lb. load onto a steel impactor head with a 0.125 inch radius.

Due to the irregular shape of the extruded material, specimens had to be cut to perform the test with the impactor equipment. None of the specimens were truly flat.

The thicknesses of the specimens, where they were tested, was approximately 0.075 & 0.080 inches.

RESULTS: There was no indication of brittle fracture. The impacts that drove the impactor through the material were smooth distortions that broke through.

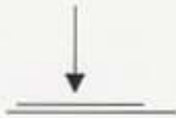
d = Distortion of the material only. Impactor did not penetrate completely through the material

t = Distortion of the material with the Impactor penetrating through the material.

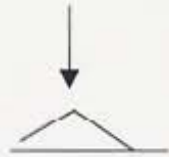
	0.070"	
	in./lb.	
1	152	d
2	152	d
3	176	d
4	184	d
5	192	d
6	200	d
7	200	t
8	208	d
9	216	d
10	240	t
11	264	t
12	272	d
13	320	t



	0.080"	
	in./lb.	
	216	d
	232	d
	240	d
	248	d
	256	d
	264	d
	320	d



	angle	
	in./lb.	
	180	d
	280	t
	320	t



NOTE: 320 inch pounds is the limit of the equipment. approximately a 4 ft. drop.

James E. Zivic
Product Testing Manager