TÜV SÜD America Inc.
Product Safety Services
1866 New Energy Way
Auburn Hills, MI 48326
Phone: (616) 546-4600

IPEMA Impact Attenuation Report – ASTM F1292-26

Participant: Greely Sand & Gravel, Inc.
Main Office Address: 30633 Hwy. 41
Eganville, ON, CAN K0J 1T0
Phone: (613) 821-3003
Manufacturing Location ID: Eganville, ON CAN
Commercial Name of product: Adventure Playground Mulch
Date of Manufacture: **Unknown**
No. of samples submitted: EWF: 10 cubic feet

TUV Report No.: 721021565-3
Report Date: 10/15/2026
Test Date: 10/14/2026, & 10/15/2026
Selection: ☑ Initial: ☐
Follow up: ☐ **Ref Job:**
Sample Receipt Date: 9/25/2026
Ambient Air Temperature: 23.1 **°C**
Humidity: 42 %

Test Equipment:

Alpha Automation, Triax: TUV System 5 ☑
Accelerometer ID: PLYP00215
Accelerometer Calibration Date: 4/10/2026

Environmental Chamber ID: PLYP00069
Calibration Due Date: 8/18/2027
Environmental Chamber ID: AE-029
Calibration Due Date: 8/18/2027

Loose Fill Material Sample Description:

Engineered Wood Fiber: ☑
Loose Fill Wood: ☐
Rubber Nuggets: ☐
Rubber Buffings: ☐
Sand: ☐
Gravel: ☐
Other: ☐

Un-compacted Depth: 15 Inches

Compacted Depth: 12 Inches

Unitary Sample Description:

Tiles: ☐
Poured in Place: ☐
Other: ☐

Total Thickness:
Top Layer:
Base Layer:

Turf System Sample Description:

Turf: ☐
Pad: ☐
Aggregate: ☐
Infill: ☐

Turf Pile Height: Inches
Pad Thickness: Inches
Aggregate: Inches
Infill Amount: Lbs./Sq. Ft.
Infill Type:

Comments:

The above described sample was tested at : 12 Ft.

The results reported herein reflect the performance of the above described samples at the time of testing and at the temperature(s) reported. The results are specific to the described samples. Samples of surfacing materials that do not closely match the described samples will perform differently. The following data sheet provides an accurate representation of the test results.

Sample in compliance with ASTM F1292-26, Section 4.2, at the temperature and rating specified? Yes ☑ No ☐

Signature: *Gary Rickstad* Title: Project Engineering Technician Date: 10/15/2026

Reviewed by: Title: Regional Manager Date: 10/20/2026

Participant: Greely Sand & Gravel, Inc.

TUV Report No.: 721021565-3

Manufacturing Location ID: Eganville, ON CAN

Test Date: 10/14/2026, & 10/15/2026

Drop	Specified Drop Height (Ft.)	Reference Temperature -4°C, (25°F)				Reference Temperature 22°C, (72°F)				Reference Temperature 49°C, (120°F)			
		G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)
1	12	62	290	27.8	12.01	66	351	27.9	12.10	69	324	27.9	12.10
2	12	77	386	27.9	12.10	79	411	28.0	12.19	91	475	28.0	12.19
3	12	87	435	28.0	12.19	90	471	28.1	12.28	103	597	28.1	12.28
Average		82.0	410.5			84.5	441.0			97.0	536.0		
Measured Surface Temperature		-1 °C	Max. Change from reference + 3°C, (5°F)			21 °C	Max. Change from reference ± 3°C, (5°F)			47 °C	Max. Change from reference -3°C, (-5°F)		
Sample Condition:		Drv				Dry				Dry			





America