GLASFORMS PRODUCT SPECIFICATION FOR (3/8" SNOWPOLE) REINFORCED COMPOSITE MARKER

1 SCOPE

This specification covers the minimum material, mechanical and performance requirements of Glasforms continuous glass fiber reinforced 3/8" SNOWPOLE Composite Marker. This product may be used to provide daytime and nighttime delineation from snow fall and high summer grass.

2 GENERAL REQUIREMENTS

DESIGN & MATERIAL

The 3/8" SNOWPOLE Marker shall be a single piece marker capable of simple, permanent installation by one person using a manual driving tool. The 3/8" SNOWPOLE upon proper installation shall resist displacement from wind and vehicle impact forces. The 3/8" SNOWPOLE shall be of a constant rectangular cross sectional design.

The 3/8" SNOWPOLE Marker will be constructed of a durable, UV resistant, continuous glass fiber reinforced, thermosetting composite material which is resistant to impact, ozone, and hydrocarbons within a service temperature range of -60°F to +160°F.

3 PHYSICAL AND MECHANICAL REQUIREMENTS

3.1 DIMENSIONS

The 3/8" SNOWPOLE Marker shall conform to the shape and overall dimensions shown in the approved drawing. The nominal 3/8" SNOWPOLE Marker width shall be 1.25" in order to accommodate a one inch wide reflector or decal and provide adequate daytime and nighttime visibility. The 3/8" SNOWPOLE shall be of such length to provide the required height above the road surface with a minimum embedment depth of 18 inches.

3.2 COLOR FASTNESS

The 3/8" SNOWPOLE shall be pigmented throughout the entire cross-section so as to produce a uniform color, which is an integral part of the material. UV resistant materials shall be incorporated in the construction to inhibit fading or cracking of the delineator upon field exposure.

3.3 **MECHANICAL PROPERTIES**

The 3/8" SNOWPOLE shall have the minimum mechanical properties as follows:

PROPERTY	**ASTM TEST METHOD**	**MINIMUM VALUE**
Ultimate Tensile Strength	D-638/D-3916	80,000 psi
Ultimate Compressive Strength	D-695	60,000 psi
Specific Gravity	D-792	1.8
Weight % Glass Reinforcement	D-2584	60%
Barcol Hardness	D-2583	50
Flexural Strength	D-4476/D-790	80,000 psi
Flexural Modulus	D-4476/D-790	80,000 psi