

POLYSTAR, INCORPORATED

STAR TRACK *Product Specification*

PURPOSE: STAR TRACK Systems are designed to be used as a heavy duty, railcar drip pans, or, when connected to a Manifold Collector System, railcar spill collector systems. The STAR TRACK may be used in either temporary or permanent applications. STAR TRACK is a clean, efficient method to collect spills during fluid transfers at railcar loading or unloading stations.

SCOPE: This product specification covers materials, construction and workmanship, physical properties, chemical resistance and methods of testing.

MATERIAL: Premium fiberglass mat and industrial grade isophthalic or vinyl ester resin as manufactured by *Ashland Chemical* or equivalent are used in construction. A gelcoat surface resin of equal chemical resistance, with the additive antimony trioxide for flame retardance and U.V. protection is included. The flame spread rating is Class II. Tested by ASTM E-84.

STRUCTURE: Fiberglass reinforced construction is formed by combining resin with controlled amounts of fiberglass cloth, mat, chop and woven roving. All models include a chemically resistant surface barrier including surface glass or veil as may be necessary for the specific application.

TABLE 1: PROPERTIES OF REINFORCED FIBERGLASS LAMINATES

Property at 73.4° F (23° C)	1/4" Thickness
Ultimate maximum tensile strength (PSI)	12,000
Flexural minimum strength (PSI)	19,000
Flexural minimum modules of elasticity(Tangent in PSI)	800,000

OPERATING TEMPERATURE: Maximum operating temperature may not exceed 200° F, with excursions through 225° F.

QUALITY ASSURANCE: STAR TRACK Systems are manufactured and tested according to industry standards *PS 15-69* and *41-GP-22* Canadian and *SPI/MTI Quality Assurance Report for FRP Corrosion resistance Equipment*.

OPTIONAL MANIFOLD COLLECTOR SYSTEM: The Manifold Collector System is a pre-assembled, drain header assembly for use under the STAR TRACK System. It consists of pre-engineered, 4" diameter, schedule 40 PVC pipe components. Each system consists of three downcomer tubes plumbed to a common port that is designed to be connected to a larger collector pipe system (not provided) for fluid removal.

Optionally, CPVC may be used where more chemical or heat resistance is required.

WARRANTY: STAR TRACK Systems are warranted against defects in workmanship and materials for a period of one year from date of purchase. Repair or replacement is at the discretion of the manufacturer. Customer or third party damage is excluded from warranty coverage.

PAN VOLUME:

Center Pan -	230 Gallons
Outrigger -	125 Gallons