

POLYSTAR, INCORPORATED

POLY DIKE MPE *Product Specification*

PURPOSE: POLY DIKE is designed to be used as secondary containment for liquid and solid products that are considered to be harmful to the environment if leaked from their primary containment device. Applications include chemical storage tanks, hazardous material work areas, process waste treatment sites, rainwater runoff diking or similar applications.

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

MATERIAL: The Poly Dike MPE is roto-molded from ExxonMobil LLDPE 8555 resin. LL 8555 is a linear low density hexane copolymer designed to offer superior processability, excellent dimensional control, whiteness and low warpage. This resin is ideally suited for applications that require excellent surface appearance and the optimum balance of ESCR, toughness and stiffness properties.

STRUCTURE: All wall and corner components are manufactured to strict industry standards for consistency and quality. UV-4 stabilizer is included in the resin used to manufacture this product.

TABLE 1: PROPERTIES OF LINEAR LOW DENSITY POLYETHYLENE RESIN

| Molded Properties | Typical Value | Test based on |
|--|---------------|---------------|
| Tensile strength at Yield (PSI) | 2490 | ASTM D638 |
| Elongation at Yield | 18% | ASTM D638 |
| Impact Strength -40 degree F. 0.125 in | 60 ft-lb | ARM |

SET UP REQUIREMENTS: POLY DIKE MPE wall and corner components are to be joined with the provided locking post. Each wall connection must have an installed post of the systems integrity.

COMPONENT JOINING: The liner being used must have sufficient slack to accommodate a full release. The liner must be attached to the wall using the fiberglass liner lock provided.

QUALITY ASSURANCE: POLY DIKE MPE is manufactured and tested according to industry standards by STEP 2.

TABLE 2: PHYSICAL SPECIFICATIONS

| MODEL # | Wall Section HEIGHT | Wall Section BASE WIDTH | Wall Section THICKNESS | Wall Section LENGTH | Wall Section WEIGHT | CORNER |
|-----------|---------------------|-------------------------|------------------------|---------------------|---------------------|---------|
| MPE | 36" | 23" | .150" minimum | 4' | 49 LBS. | 29 LBS. |
| MPE Riser | 12" | 36" | .150" minimum | 4' | 26 LBS | 21 LBS. |

WARRANTY: POLY DIKE 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.