

# 1400 FLEX PP - POLYPROPYLENE DRAINAGE TILE SPECIFICATIONS

## MECHANICAL SPECIFICATIONS:

Size:-----12-1/8" 12-1/8"  
Loading-----\_16000 lbs. Per sq. ft.  
Support:-----Surface supported by 328 oversized gusseted supports  
Locks: -----32 latch locks; two sides 8male parts each; 2 sides  
with 8 female parts each.  
Weight:-----1.03 lbs.  
Flammability:--- Meets U194-HB standards  
Material: -----Polypropylene

**Fungus and Mildew Resistant**

Service Range-----	-30 <sub>0</sub> - +170 <sub>0</sub>
Tensile Strength (psi) ASTM D638	5300
Flexural Modulus (10 <sup>5</sup> psi, 73 <sub>0</sub> F) ASTM D790	1.6
Tensile Modulus (10 <sup>5</sup> psi) ASTM 638	.82
Thermal Expansion (10 <sup>-5</sup> Inches/Inch/°C)	6.5
Specific Gravity ASTM D792	.093
Specific Volume, In <sup>3</sup> /lb.	30.5

## ELECTRICAL SPECIFICATIONS:

ARC Resistance, SEC. ASTM D495	150
Dielectric Constant (1M Hz)	2.5
Dielectric Strength (Volts/Mil)	660

## RESISTANT TO THE FOLLOWING SOLUTIONS:

Weak Acids  
Weak Alkalies  
Strong Alkalies

**Fungus and Mildew Resistance - Very Good**

