

Trelleborg AEM Eccofloat® EL-34/6000 Syntactic Foam

Category : Polymer

Material Notes:

EL Grade epoxy syntactic foams are the material of choice for manufacturing manned and unmanned submersibles because of their density range and ability to withstand exposure to diesel fuels and hydraulic fluids. These composite foams provide ultra low densities by selecting only the highest specification hollow glass microspheres, called Eccospheres®, and combining them within a rigid, high strength resin system. The syntactic foam is typically cast into blocks and then is used to prepare large buoyancy modules that can be readily shaped to conform to hull contours and outfitted for installation in the forward and aft free-flood areas of submarines. Information provided by Trelleborg AEM.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-AEM-Eccofloat-EL-346000-Syntactic-Foam.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|---------------------------|----------|
| Density | 0.545 g/cc | 0.0197 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|----------|------------------|
| Compressive Strength | 62.1 MPa | 9000 psi | Service Pressure |

| Descriptive Properties | Value | Comments |
|------------------------|------------|--------------------------------|
| Service Depth | 20,000 FSW | Depth Below Sea Level - Feet |
| | 6000 MSW | Depth Below Sea Level - Meters |

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