

Trelleborg AEM Eccofloat® EL-36/7300 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-367300-Syntactic-Foam.php

Physical Properties	Metric	English	Comments
Density	0.577 g/cc	0.0208 lb/in ³	

Mechanical Properties	Metric	English	Comments
Compressive Strength	75.84 MPa	11000 psi	Service Pressure

Descriptive Properties	Value	Comments
Service Depth	24,000 FSW	Depth Below Sea Level - Feet
	7300 MSW	Depth Below Sea Level - Meters

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