

## Trelleborg AEM Eccofloat® DS-35/8130 Syntactic Foam

Category : Polymer , Thermoset , Epoxy

### Material Notes:

DS Grade syntactic foams combine lightweight glass Eccospheres® with multifunctional epoxy resin to produce ultra-high strength-to-weight materials for high-performance, deep sea applications including manned and unmanned submersibles. 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-DS-358130-Syntactic-Foam.php](http://www.lookpolymers.com/polymer_Trelleborg-AEM-Eccofloat-DS-358130-Syntactic-Foam.php)

Physical Properties	Metric	English	Comments
Density	0.561 g/cc	0.0203 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Compressive Strength	81.965 MPa	11888 psi	Service Pressure

Descriptive Properties	Value	Comments
Service Depth	27,600 FSW	Depth Below Sea Level - Feet
	8130 MSW	Depth Below Sea Level - Meters

## Contact Songhan Plastic Technology Co.,Ltd.

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