

SynFoam MW Deep Water Syntactic Foam

TYPICAL PROPERTIES for MW Grades

Property	Units	MW-30	MW-34	MW-38	MW-44
Density	PCF(± 2)	30	34	38	44
Compressive Strength	psi	7,500	9,200	12,500	16,500
Compressive Modulus	psi	230,000	230,000	260,000	320,000
Depth Rating	meters	5,030	6,100	6,860	11,580
Depth Rating	feet	16,500	20,000	22,500	38,000
Service Pressure	psi	7,510	9,110	10,250	17,300
Sound Velocity	m/s	2,500	2,600	2,650	2,950

DESCRIPTION

SynFoam MW is a high performance, moderate cost syntactic foam for deep water applications. SynFoam MW has a better cost to performance benefit than SynFoam MW and is the ideal selection where cost rather than density is the driving factor in the selection of syntactic foam. The high strength to weight ratio provides for an excellent reduction in weight for deep water exploration. SynFoam MW has been effectively used for 5K and 6K ROV's as well as other deep water submersibles. SynFoam MW is available as 6" x 12" x 24" fully cured blocks. A team of experienced molders ensures the highest possible performance of syntactic foams at densities above 20 pcf. The blocks may be further machined into different sizes and shapes to meet the necessary specific tolerances and requirements. Our syntactic foam is easily bonded together with the use of our syntactic adhesive to form large structures.

APPLICATION SUGGESTIONS

SynFoam MW is ideal for use in applications that require a cost effective approach for critical deep water missions. SynFoam MW is designed to resist water absorption and provide excellent performance for deep water submersion in both manned and unmanned vehicles. Densities can be customized to the user's specifications.

QUALITY STATEMENT

SynFoam has a full testing lab for both new product R&D and Quality Assurance to measure our foam's structural properties. We work hard to exceed each customers' performance and delivery requirements. Adherence to production SOPs enable each product to be made with batch to batch reproducibility. We can machine our products to customer specifications and provide a marine quality finish as needed. We work closely with customers to select the proper grade for a successful and reliable implementation in each end use application. Customer references are available upon request.

DISCLAIMER:

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