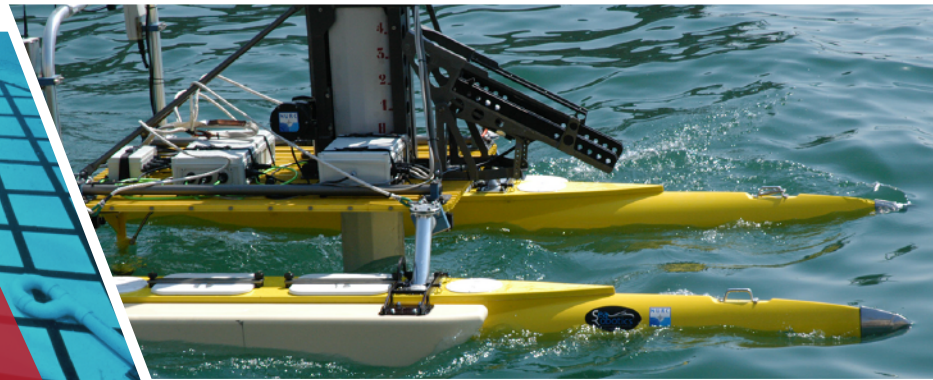




## LAST-A-FOAM® R-3300 BUOYANCY FOAM SERIES



LAST-A-FOAM® R-3300 is a closed-cell, hydrostatic pressure-resistant polyurethane foam that provides buoyancy to depths of up to 1,200 feet. It is typically supplied uncoated, however we have the ability to coat the foam to enhance its performance.

This semi-submersible foam is engineered to resist penetration by water, and is optimal for shallow to mid-water subsea buoyancy systems, marine and underwater robotics applications. Due to its pressure resistance to many fluids and resins, it is also used in resin-transfer molding as a core material.

### CNC MACHINABLE

General Plastics can machine the LAST-A-FOAM® R-3300 product to exact specifications.



### FEATURES & BENEFITS

- Easy to machine, coat, and paint
- Provides buoyancy with depths to 1,200 ft (366 m) uncoated
- Dimensionally stable
- Excellent compressive and insulation properties
- Resistant to hydrostatic pressure
- High impact resistance
- Biologically inert
- Oil, grease, and solvent resistant
- Cost effective solution
- Does not rot or decay
- Performs in freshwater or saltwater
- Compatible with many types of adhesives

### POTENTIAL APPLICATIONS

- Underwater buoyancy
- Underwater robotics (ROV/AUV)
- Semi-submersible craft
- Pipeline flotation
- Subsea mooring buoyancy
- Buoyancy for assembly components in weightlessness simulation pools

### CERTIFICATIONS & QUALITY SYSTEMS

ISO 9001:2015/AS9100D  
NQA-1  
Mil-I-45208A  
Boeing Company D6-82473  
ITAR-Compliant  
Nadcap AC7130 Rev C.  
Nadcap AC7130/1 Rev A.

PHYSICAL PROPERTY DATA						
PROPERTY	UNIT	R-3312	R-3315	R-3318	R-3325	TEST METHOD
Density	lbs/ft³	12	15	18	25	ASTM D-1622
	kg/m³	192	240	288	400	
Compressive Strength (75°F)	psi	400	720	960	1,750	ASTM D-1621
	kPa	2,750	4,950	6,600	12,100	
Tensile Strength	psi	430	680	820	1,500	ASTM D-1623 Type A Specimens
	kPa	2,950	4,700	5,650	10,300	
Shear Strength	psi	380	525	640	1,100	ASTM C273 in Compression *Modified sample size - 0.25"x1.0"x3.0"
	kPa	2,600	3,600	4,400	7,600	
Flexural Strength	psi	580	920	1,220	1,900	ASTM D-790 Method 1-A
	kPa	4,000	6,350	8,400	13,100	
Coefficient of Thermal Expansion (CTE)	in/in-°F	32 X 10 <sup>-6</sup>				From -50 to +200°F, GP Method
	m/m-K	58 X 10 <sup>-6</sup>				
Max Use Temperature	°F	230				
	°C	110				
Hydrostatic Performance	% Wt Gain	<5% @ 135psi	<5% @ 300 psi	<5% @ 300 psi	<5% @ 530 psi	GP Method

Values shown are parallel to the direction of rise and representative values.

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This data is subject to revision and changes due to development of and changes to the material. The data is derived from tests and historical usage. This data is averaged data and should be treated as such. Calculations should be verified by actual tests. The data is furnished without liability for the company and does not constitute a warranty or representation in respect to the material or its use. The company reserves the right to release new data sheets in replacement.

For additional physical property data, please contact our technical sales group  
at 253.473.5000 or [sales@generalplastics.com](mailto:sales@generalplastics.com)

STANDARD SHEET SIZES				
PRODUCT	HEIGHT in (cm)	WIDTH in (cm)	LENGTH in (cm)	TRUSTED DEPTH uncoated FT (M)
R-3312	10 (26)	24 (61)	100 (254)	300 (92)
R-3312	14 (36)	18 (46)	100 (254)	300 (92)
R-3315	10 (26)	24 (61)	100 (254)	700 (214)
R-3315	14 (36)	18 (46)	100 (254)	700 (214)
R-3318	10 (26)	24 (61)	100 (254)	800 (244)
R-3318	14 (36)	18 (46)	100 (254)	800 (244)
R-3325	10 (26)	24 (61)	100 (254)	1200 (366)
R-3325	14 (36)	18 (46)	100 (254)	1200 (366)



All General Plastics' products are manufactured in the United States and are free of CFCs and VOCs.