

## CORAFoam U

*Rigid closed-cell polyurethane foam manufactured in continuous process.*

Property	Conditions	ASTM	Units	U020	U40	U60	U80	U100	U120	U150	U200		
Density	Core	D1622	lb/ft <sup>3</sup>	2	4	6	8	10	12	15	20		
Colour				Light green	Caramel	Dark Green	Orange	Gray	Tan	Light Green	Peach		
Bun Net Height				27"	26"	24"	20"	16"	14"	12"	8"		
Compressive	Parallel to rise Perpendicular to rise	D1621	psi	Strength	Strength	Strength	Strength	Strength	Strength	Strength	Module	Strength	Module
				41	93	167	250	340	440	600	21800	960	26800
Tensile	Parallel to rise Perpendicular to rise	D1623	psi	21	70	138	210	280	390	580	21700	940	27400
				64	130	200	270	330	390	490	25400	760	44400
Shear	Average	C273	psi	23	87	145	210	270	330	420	4500	580	7000
Flexural	Average	C203	psi	na	na	na	260	330	420	560	8000	800	12000
Closed Cell Content	Minimum	D2856	%	92	92	92	92	92	92	92		92	
R-Value per inch	180 days, 1"	C518	hr-ft <sup>2</sup> -°F/BTU	5.26	4.00	3.85	3.70	3.57	3.45	3.13		2.56	
k-Factor	180 days, 1"	C518	BTU-in/hr-ft <sup>2</sup> -°F	0.19	0.25	0.26	0.27	0.28	0.29	0.32		0.39	
Coef. of Them. Expan.		D696	°F <sup>-1</sup>	39 x 10 <sup>-6</sup>	33 x 10 <sup>-6</sup>	28 x 10 <sup>-6</sup>	27 x 10 <sup>-6</sup>	27 x 10 <sup>-6</sup>	27 x 10 <sup>-6</sup>	27 x 10 <sup>-6</sup>		27 x 10 <sup>-6</sup>	27 x 10 <sup>-6</sup>
Hardness	On cut surface	D2240	Shore D Shore A	na	na	na	na	na	20	25	34		
				na	na	na	na	65	77	86	91		
Service Temperature	Continuous min. / max	C411	°F	-	-	-	-	-	-	-	-300/+220	-300/+220	
	Maximum peak			300/+220	300/+220	300/+220	300/+220	300/+220	300/+220	300/+220	300/+220	+250	+250

Average values throughout the cross section and at 74°F, unless otherwise specified.

Actual service temperature limits vary considerable based on actual conditions and on client tolerance.

UV rays may cause surface discoloration and dust. do not expose to sunlight after fabrication.

We reserve the right to modify specifications without prior notifications. The values referring to the mentioned properties are typical and do not imply specification limits or guarantees. Though the information reported in this data-sheet accurately reflects our knowledge and belief, we decline all responsibility for errors and omissions, damage or loss resulting thereof. It is necessary to verify any recommendations for use as regards to suitability and conformity with actual project requirements, specifications and any applicable laws.

Duna-USA, DunaGroup - Revised August 2005