



QUALITY, SERVICE & VALUE IN CORE MATERIALS

CORRITE®

URETHANE FOAMS



CORRITE Urethane Foams are advanced polyurethane based formulations produced in the United States. Using a highly developed continuous process, each density yields a consistent, uniform quality product throughout the range. **CORRITE** Urethane Foams are engineered for the challenging requirements of today's composite parts and process easily using traditional tools. It is suitable for use in architectural, industrial, marine, wind, transportation and numerous other applications.

PRODUCT INFORMATION

CORRITE Urethane Foams are designed for use in many molding processes; hand lay-up, spray lay-up, resin infusion/injection, vacuum infusion and others. They are available with a variety of surface treatments for ease of use in your molding application.

- * Plain rigid sheets
- * Contourable (scrim & scored) sheets
- * Double-cut sheets
- * Perforations and/or grooved

FEATURES & BENEFITS

- ✓ Good mechanical properties
- ✓ Processing temperatures up to 195 °F
- ✓ Virtually unlimited capacity
- ✓ Excellent chemical resistance
- ✓ Small uniform cell structure
- ✓ Compatible with most resin systems
- ✓ Closed cell
- ✓ Excellent laminate adhesion
- ✓ Can be thermoformed

TECHNICAL DATA

	Unit	SF 40	SF 60	SF 80	SF 100	SF 150	SF 200	SF 310
Nominal Density	lb/ft ³	4	6	8	10	15	20	31
		ASTM C 271	ASTM C 271	ASTM C 271	ASTM C 271	ASTM C 271	ASTM C 271	ASTM C 271
Shear Strength	psi	74	99	174	238	406	740	1276
		ASTM C 273	ASTM C 273	ASTM C 273	ASTM C 273	ASTM C 273	ASTM C 273	ASTM C 273
Shear Modulus	psi	580	1,015	1,885	2,669	4,786	9,572	15,644
		ASTM C 273	ASTM C 273	ASTM C 273	ASTM C 273	ASTM C 273	ASTM C 273	ASTM C 273
Compressive Strength	psi	107	155	207	326	595	1,247	2,176
		ASTM D 1621	ASTM D 1621	ASTM D 1621	ASTM D 1621	ASTM D 1621	ASTM D 1621	ASTM D 1621
Compressive Modulus	psi	3989	5,221	6,962	11,023	18,275	34,519	56,565
		ASTM D 1621	ASTM D 1621	ASTM D 1621	ASTM D 1621	ASTM D 1621	ASTM D 1621	ASTM D 1621
Tensile Strength	psi	105	160	290	350	600	960	1890
		ASTM D 1623	ASTM D 1623	ASTM D 1623	ASTM D 1623	ASTM D 1623	ASTM D 1623	ASTM D 1623
Tensile Modulus	psi	855	1,300	2,360	2,850	4,800	7,650	15,350
		ASTM D 1623	ASTM D 1623	ASTM D 1623	ASTM D 1623	ASTM D 1623	ASTM D 1623	ASTM D 1623

The reported data, derived from laboratory testing, shall not be taken as minimum guaranteed values. They refer to the nominal density. They are believed to be correct. No warranty is made on the basis of these data. Customers should verify the data needed for the specific application, performing the necessary tests on the product. No warranty is released for any particular application. I-Core Composites, LLC may update this document without notice.