Quality, Service & Value in Core Materials

CORRITE®

PET Foams

American Owned And Operated

All **CORRITE PET Foams** are engineered and produced from PET (Polyethylene Terephthalate) chemistry. These foams have a high-recycled content, making them a responsible "**Green Choice**". **CORRITE PET Foams** exhibit technically advanced properties and are designed for performance to meet the increasing demands of today's complex composite parts. **CORRITE PET Foams** process easily using traditional tools and have superior mechanical properties. They are suitable for use in architectural, industrial, marine, wind, transportation and numerous other applications.

Features & Benefits

- ✓ Superior mechanical properties
- ✓ "**Green Choice**" (recycled content)
- ✓ High processing temperatures
- ✓ Outstanding fatigue resistance
- ✓ Excellent chemical resistance
- ✓ Good screw retention
- ✓ Excellent flame, smoke & toxicity
- ✓ Closed cell
- ✓ Excellent laminate adhesion
- ✓ Can be thermoformed

Product Information

CORRITE PET Foams are designed for use in various molding processes; hand lay-up, spray-up, resin infusion/injection, vacuum infusion, pre-preg 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
- Single-cut or Double-cut sheets
- Perforations and/or grooved

Technical Data

			SFT4.4	SFT5.0	SFT6.2	SFT7.2	SFT8.4	SFT9.4	SFT12.5	SFT15.6
Nominal Density	**ISO 844**	**lb/ft³**	4.4	5	6.2	7.2	8.4	9.4	12.5	15.6
Shear Strength	**ISO 1922**	**psi**	75	80	110	140	175	205	260	275
Shear Modulus	**ASTM C393**	**psi**	1,885	2,175	2,900	3,770	5,075	5,800	7,250	10,150
Compressive Strength	**ISO 844**	**psi**	110	140	220	260	335	375	520	725
Compressive Modulus	**DIN 53421**	**psi**	5,800	8,265	10,150	13,050	13,050	15,225	22,765	30,450
Tensile Strength	**ISO 527-2**	**psi**	260	305	350	420	435	495	640	655
Tensile Modulus	**ISO 527-2**	**psi**	9,750	10,875	15,235	20,300	20,300	27,550	33,350	34,800
Thermal Conductivity	**at 73.4 °F**	**BTU. In/FT².hr.°**	0.236	0.236	0.236	0.236	0.257	0.284	0.298	0.326
Max Operating Temp.	**Fahrenheit/Celsius**		302 °F/150 °C							

Flame, Smoke & Toxicity									
B2	**EN ISO 11925:2**	**tbd**	**B2** [1]	**B2** [1]	**B2** [1]	**B2** [1]	**B2** [1]	**B2** [1]	**tbd**
FMVSS 302	**ISO 3795**	**Pass** [1]	**Pass** [1]	**Pass** [1]	**tbd**	**tbd**	**tbd**	**tbd**	**tbd**

[1] Contact I-Core Composites, LLC for more information.

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.

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