

# EPS Geofoam Datasheet



## Typical Physical Properties of EPS Geofoam

<b>Type-ASTM D6817</b>	<b>Units</b>	<b>EPS12</b>	<b>EPS15</b>	<b>EPS19</b>	<b>EPS22</b>	<b>EPS29</b>	<b>EPS 39</b>
<b>Density, min.</b>	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.70 (11.2)	0.90 (14.4)	1.15 (18.4)	1.35 (21.6)	1.80 (28.8)	2.40 (38.4)
<b>Compressive Resistance</b> min. @ 1% deformation	psi (kPa)	2.2 (15)	3.6 (25)	5.8 (40)	7.3 (50)	10.9 (75)	15.0 (103)
<b>Compressive Resistance</b> min. @ 5% deformation	psi (kPa)	5.1 (35)	8.0 (55)	13.1 (90)	16.7 (115)	24.7 (170)	35.0 (241)
<b>Compressive Resistance</b> min. @ 10% deformation	psi (kPa)	5.8 (40)	10.2 (70)	16.0 (110)	19.6 (135)	29.0 (200)	40.0 (276)
<b>Flexural Strength, min.</b>	psi (kPa)	10.0 (69)	25.0 (172)	30 (207)	40 (276)	50.0 (345)	60.0 (414)
<b>Oxygen Index, min.</b>	volume %	24.0	24.0	24.0	24.0	24.0	24.0
<b>Dimensional Stability</b>	(max. %)	<2%	<2%	<2%	<2%	<2%	<2%
<b>Buoyancy Force</b>	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	61.7 (990)	61.5 (980)	61.3 (980)	61.1 (980)	60.6 (970)	60.0 (960)
<b>Absorption</b>	volume %	< 4.0	< 4.0	< 3.0	< 3.0	< 2.0	< 2.0

\*Properties are based on data provided by resin manufacturers, independent test agencies and Houston Foam Plastics.

**Houston Foam Plastics**  
**2019 Brooks St.**  
**Houston, Texas 77026**  
**713-224-3484 (o)**  
**713-224-3612 (f)**