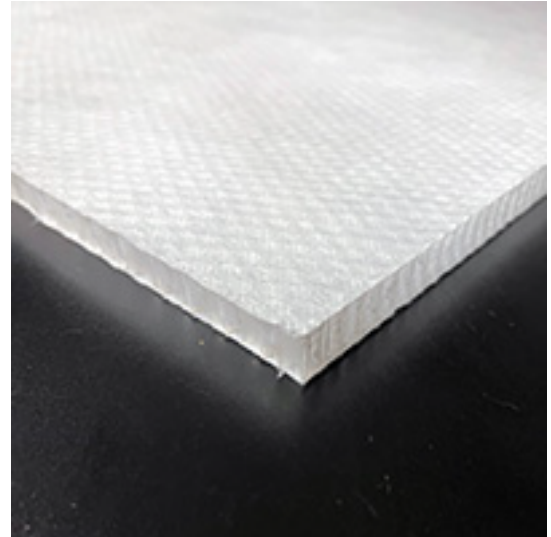


Polypropylene Honeycomb Core 8MM 5PCF

Polypropylene Honeycomb Core is a plastic core made from polypropylene and comes in an open cell configuration with a layer of non-woven polyester scrim.

PHYSICAL PROPERTIES

PROPERTY	VALUE
Thickness	.472", .625"
Cell Size	8MM
Density	5 PCF
Material	Polypropylene
Color	White
Scrim	Non-woven polyester



TECHNICAL FIBER PROPERTIES

PROPERTY	SAE	METRIC
Compressive Strength	275psi	1.88 MPa
Compressive Modulus	6628psi	45.7 MPa
Tensile Strength	130psi	0.89 MPa
Shear Strength	85psi	0.58 MPa
Shear Modulus	2205psi	15.2 MPa
Thermal Conductivity	k=0.03	k=0.03
Water Absorption (24hrs)	0.10%	0.10%
Dimensional Thermal Stability	-40F to 230F	-40C to 110C
Flammability	inflammable, non-toxic smoke	
Denisty	5.0 lb/ft ³	
Peel Strength	Excellent	
Fatigue Resistance	Excellent	
Impact Resistance	Excellent	
Sound Attenuation	Greater than ²² db	

FEATURES/BENEFITS

- Self-extinguishing
- Low resin absorption
- Great impact strength
- Great strength to weight ratio
- High sound dampening properties
- Resistant to corrosion, fun-gi, rot, chemicals, and moisture
- Recyclable
- Lightweight

USES INCLUDE

- Sandwich panel cores
- Energy absorption
- Filtration media
- Adhesive bonding
- Compression Molding
- Thermoforming
- Contact molding
- Vacuum Infusion
- Resin Injection