

Polypropylene Honeycomb

Properties	Tests	PP - 8	PP - 8H	PP - 10
Cell Size		8 mm	8 mm	10 mm
		0.3 "	0.3 "	0.4 "
Density	ISO 845	80.0 kg/m ³	80.0 kg/m ³	64.0 kg/m ³
		5.0 lb/ft ³	5.0 lb/ft ³	4.0 lb/ft ³
Compressive Strength	ISO 844	2.0 MPa	2.2 MPa	1.0 MPa
		290 psi	319 psi	145 psi
Compressive Modulus	ISO 844	95 MPa	97 MPa	50 MPa
		13,779 psi	14,069 psi	7,252 psi
Shear Strength	ISO 1922	0.6 MPa	0.8 MPa	0.3 MPa
		87 psi	116 psi	41 psi
Shear Modulus	ISO 1922	13 MPa	19 MPa	9 MPa
		1,856 psi	2,756 psi	1,305 psi
Tensile Strength	ASTM C297	0.7 MPa	0.75 MPa	0.7 MPa
		102 psi	109 psi	102 psi

Operating Properties

Temperature Range	-30°C to 80°C (-22°F to 176°F)
Thermal Conductivity (at 10°C or 50°F)	0.102 W/mK
Sound Attenuation (50 to 4000 Hz)	22 dB
Water Absorption	< 0.1%
Flammability (DIN 4102-1)	Normal Inflammable (B2)

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