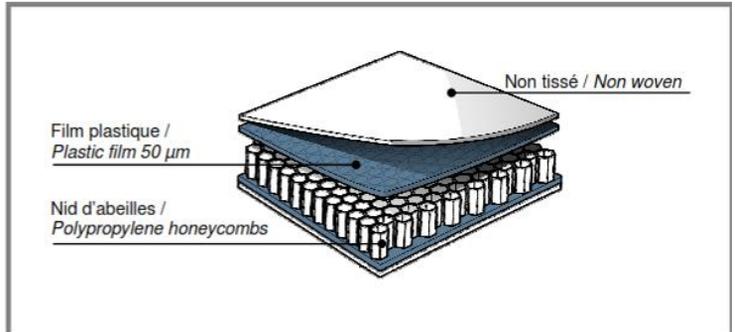
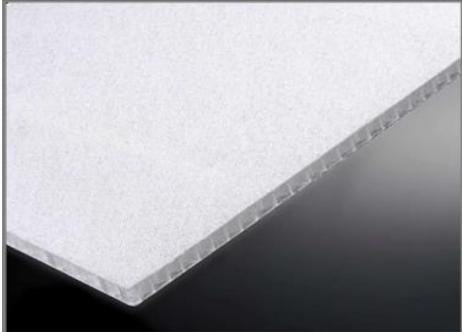


Nidaplast 8 Technical Data



<i>Technical Data</i>				
Properties	<i>Test method</i>	Nidaplast® 8	Nidaplast 8FR	Nidaplast 8HP
<i>Compressive strength - 20° C</i>	ISO 844	174.04 psi / 1,2 Mpa	174.04 psi / 1,2 Mpa	377.098 psi / 2,6 Mpa
<i>Compressive modulus - 20° C</i>	ISO 844	5801.5 psi / 40 Mpa	5801.5 psi / 40 Mpa	10152.63 psi / 70 Mpa
<i>Perpendicular tensile strength (at break), 20° C</i>	ASTM C297	116.030 psi / 0,8 Mpa	116.030 psi / 0,8 Mpa	116.030 psi / 0,8 Mpa
<i>Shear strength - 20° C</i>	ISO 1922	58.015 psi / 0,4 Mpa	58.015 psi / 0,4 Mpa	101.526 psi / 0,7 Mpa
<i>Shear modulus - 20° C</i>	ISO 1922	1305.3393 psi / 9 Mpa	1305.3393 psi / 9 Mpa	2030.527 psi / 14 Mpa
<i>Water resistance, % retention of shear strength-20° C</i>	ASTM C393	~100 % **	~100 % **	~100 % **
<i>Heat resistance for honeycombs core 20 mm</i>		R=0,3 m ² .°C/W (soit $\lambda = 0,067$ W/(m.°C))	R=0,3 m ² .°C/W (soit $\lambda = 0,067$ W/(m.°C))	R=0,3 m ² .°C/W (soit $\lambda = 0,067$ W/(m.°C))
		R=0,6 m ² .°C/W (soit $\lambda = 0,14$ W/(m.°C))	R=0,6 m ² .°C/W (soit $\lambda = 0,14$ W/(m.°C))	R=0,6 m ² .°C/W (soit $\lambda = 0,14$ W/(m.°C))
<i>Heat resistance for honeycombs core 90 mm</i>		R=0,6 m ² .°C/W (soit $\lambda = 0,14$ W/(m.°C))	R=0,6 m ² .°C/W (soit $\lambda = 0,14$ W/(m.°C))	R=0,6 m ² .°C/W (soit $\lambda = 0,14$ W/(m.°C))
	<i>Standard quality inflammable. Possibility of M1/F0 classification for finished sandwich panels, depending on the sandwich skin</i>		<i>V2 Classification According to UL94</i>	<i>Product inflammable. Possibility of m1/F0 classification for finished panel</i>
<i>Behavior with fire</i>		<i>Excellent resistance to water and most acids, bases and salt solutions</i>	<i>Same</i>	<i>Same</i>
	<i>The longevity for the core's storage is guaranteed by a anti U.V. - U.V. protection of the finished panel is ensured by the skins of the sandwich panel</i>		<i>The longevity for the core's storage is guaranteed by a anti U.V. - U.V. protection of the finished panel is ensured by the skins of the sandwich panel</i>	<i>The longevity for the core's storage is guaranteed by a anti U.V. - U.V. protection of the finished panel is ensured by the skins of the sandwich panel</i>