

Material: Alu-Alloy 3003 (AlMnCu)

Corrosion protection: circonium oxide coated

Mechanical Properties	Unit	Test method *	Typical values							
			ECM 3.2-130	ECM 4.8-77	ECM 6.4-60	ECM 6.4-82	ECM 9.6-41	ECM 9.6-55	ECM 12.7-42	ECM 19.2-29
Foil Thickness	µm	ECP 231-04	60	60	60	80	60	80	80	80
Cell Size, Nominal	mm	DIN 29970	3.2	4.8	6.4	6.4	9.6	9.6	12.7	19.2
Density, Nominal	kg/m ³	DIN 29970	130	77	60	82	41	55	42	29
Compression Strength Unstab.	N/mm ²	DIN 53291	7.00	3.94	2.96	4.25	1.73	2.24	1.00	0.69
Compression Strength Stab.	N/mm ²	DIN 53291	-	-	3.55	4.50	-	2.75	-	-
Crush strength	N/mm ²	NHTSATP-24-214D-02**	3.380	1.679	-	1.665	0.574	0.891	-	0.263
Plate Shear Strength/ L-Dir.	N/mm ²	DIN 53294	4.00	2.29	1.72	2.40	1.13	1.48	1.00	0.66
Plate Shear Modul/ L-Dir.	N/mm ²	DIN 53294	550	456	370	430	227	253	193	201
Plate Shear Strength/ W-Dir.	N/mm ²	DIN 53294	2.50	1.52	0.95	1.40	0.60	0.88	0.46	0.32
Plate Shear Modul/ W-Dir.	N/mm ²	DIN 53294	350	265	166	220	98	170	87	54
Service Temperature	°C	-	-55°C up to 177°C							

Micro-Perforated: All Honeycomb ECM core types can be delivered, if required, as micro-perforated

Honeycomb: Aluminum core types ECM-P

*- Thickness of test sheet: 15.87 mm

** - Thickness of test sheet: 25.40 mm