

PALRUF® Opaque Data Sheet

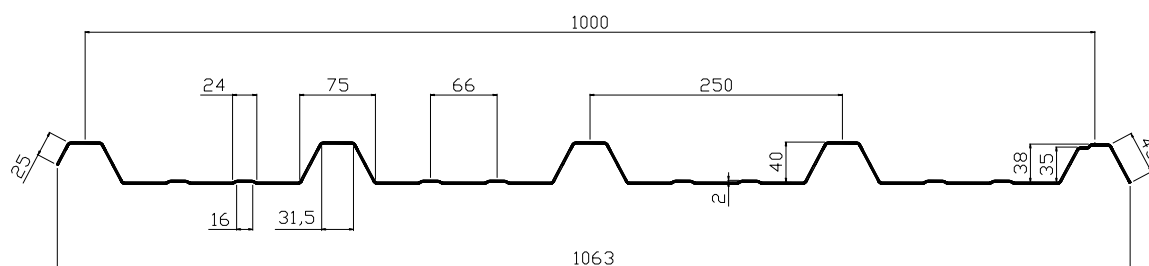
Profile: 0100 Industrial



Product Description

Color: White
 Type: Opaque
 Texture : Smooth

Profile drawing:



General properties

Dimension	Value
Thickness (Avg.)	2.0–3.0mm
Length	1.5m to 11.9m
Cover Width	1000mm
Profile height	40mm

Load / Span Data

Load (kg/m ²)	Maximum Roof Span (mm)					
	2.0 mm		2.5 mm		3.0 mm	
	Mid Field	End Field	Mid Field	End Field	Mid Field	End Field
50	1800	1350	1900	1425	2000	1500
75	1700	1275	1800	1350	1900	1425
100	1600	1200	1700	1275	1800	1350
125	1500	1125	1600	1200	1700	1275
150	1400	1050	1500	1125	1600	1200
175	1300	975	1400	1050	1500	1125
200	1200	900	1300	975	1400	1050

- The specified dimensions do not supersede the requirements of local construction codes.
- The given spans are according to deflections criterion of L/20, and minimum slope of 10%.
- The maximum roof spans are based on calculation model and practical testing.
- The mentioned load refers to wind and snow load only.
- For vertical application spans can be increased by 10%.

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Typical Properties:

Property (Method)	Conditions	Unit	Value
Specific gravity (D-1505)		g/cm ³	1.46
Water absorption (D-570)	24hr @ 23°C	%	0.10
Service temperature range		°C	-20 to +50
Impact strength – room temp (ISO 6603/1)	2mm sheet	J	60
Tensile strength at yield (D-638)	10 mm/min	MPa	52
Tensile strength at break (D-638)	10 mm/min	MPa	49
Elongation at yield (D-638)	10 mm/min	%	3
Elongation at break (D-638)	10 mm/min	%	140
Modulus of elasticity (D-638)	1 mm/min	MPa	2700
Flexural strength (D-790)	1 mm/min	MPa	93
Flexural modulus (D-790)	1 mm/min	MPa	2250
Rockwell hardness (D-785)		R scale	105
Heat deflection temperature (D-648)	1.82 MPa	°C	65
Vicat (D-1525)	Load 1Kg	°C	101
Coefficient of linear thermal expansion (D-696)		10 ⁻⁵ cm/cm °C	6.3
Thermal conductivity (D-177)		W/mk	0.16
Dielectric Constant (D-150)	50 Hz		4
	1 Mhz		3
Dielectric strength (D-149)	500 V/s	KV/mm	43

*Please refer to Technical guide for more details.

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