

PALRUF® Clear Data Sheet

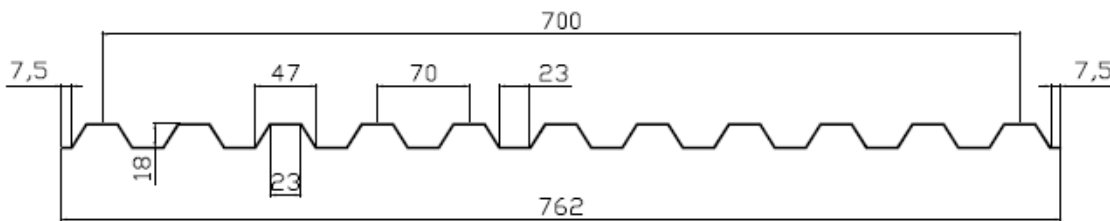
Profile: Greca 70



Product Description:

Color: Clear
 Type: Translucent
 Texture : Smooth

Profile drawing:



Profile Dimensions:

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
70 / 17	1.0	1.5 - 11.8	762	700	8.1

Load / Span Data

Load (kg/m ²)	Maximum Roof Span (mm)	
	1.0 mm	
	End Span	Mid Span
50	860	1150
75	750	1000
100	675	900
125	620	825
150	580	775
175	560	750
200	540	725

- 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%.

Curved roof

- Minimum curving radius – 6.5m.

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Typical Properties:

Property	Method	Conditions	Unit	Value
Specific gravity	(D-1505)		g/cm ³	1.38
Water absorption	(D-570)	24hr @ 23°C	%	0.04
Service temperature range			°C	-20 to +50
Light transmission	(D-1003)	Clear	%	85
Impact strength – room temp	(ISO 6603/1)	1.0 mm sheet	J	40
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