

# SUPPLY SERVICES

performance engineering products

## Technical Data Sheet

### Lightweight PP-C UV stabilised sheet

**Colour:** Black

**Description:** Low density, nearly no moisture absorption, will not delaminate, UV resistant.

**Typical industry use:** Horse floats, trailers, vehicle construction, utility trays, agriculture industry, marine construction and vessels, bench tops, plywood replacement.

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g/cm <sup>3</sup>	0.65
Water absorption	DIN EN ISO 62	%	<0.1
Flammability (Thickness 3-6mm)	UL94		HB
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	>18
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>1000
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	>20
Shore hardness	DIN EN ISO 868	Scale D	>65
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	162-167
Thermal conductivity	DIN 52612-1	W / (m*K)	<0.15
Thermal capacity	DIN 52612	kJ / (kg*K)	1.70
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	120-190
Service temperature, long term	Average	°C	-10 - +90
Service temperature, short term	Average	°C	150
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	80
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		2.3
Volume resistivity	DIN EN 62631-3-1	Ohm*cm	>10 <sup>14</sup>
Surface resistivity	DIN EN 62631-3-2	Ohm	>10 <sup>14</sup>

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Ph. 0800 102 112