

### Technical Data Sheet

## Astrawood<sup>®</sup> COOL colored decor

PVC-U

#### Typical characteristics

- Laminated on one side with different, high-quality decorative foils
- High impact resistance
- Good weather resistance

#### Typical industries

- Building industry

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,41
Water absorption	DIN EN ISO 62	%	0,2
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	45
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2500
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	8
Shore hardness	DIN EN ISO 868	scale D	77
Ball Hardness	ISO 2039	MPa	100
Compressive strength	DIN EN ISO 604	MPa	65
Bending strength	DIN EN ISO 178	MPa	60
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	76
Service Temperature		°C	-10 ... +60
Heat deflection temperature	DIN EN ISO 75	°C	70
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3,20
Dielectric dissipation factor (10 <sup>6</sup> Hz)	IEC 60250		0,02



	Test method	Unit	Guideline value
Volume resistivity	DIN EN 62631-3-1	$\Omega \cdot \text{cm}$	$>10^{15}$
Surface resistivity	DIN EN 62631-3-2	$\Omega$	$>10^{13}$

