

Datasheet

RS PRO ABS White Plate

1.5mm thick x 1220mm x 610mm

Stock No: 681-592



Specifications:

Chemical designation	ABS (Acrylonitrile Butadiene Styrene)
Colour	White
Density	1.06 g/cm ³
Filler(s)	None

Technical Specifications:

Mechanical Properties	Parameter	Value	Unit	Standard/Norm
Tensile strength	50 mm/min	44	MPa	ISO 527
Flexural strength	2 mm/min	72	MPa	ISO 178
Notched impact strength (Izod)	1A at 23°C	30	kJ/m2	ISO 180

Thermal Properties	Parameter	Value	Unit	Standard/Norm
Heat distortion temperature	HDT/A 1.8MPa	93	°C	ISO 75
Vicat softening point	A/Oil	104	°C	ISO 306

Electrical Properties	Parameter	Value	Unit	Standard/Norm
Specific surface resistance	Silver electrode, 23°C, 12% r.h.	10 ¹⁵	W	DIN IEC 60093
Specific volume resistance	Silver electrode, 23°C, 12% r.h.	10 ¹⁵	W*cm	DIN IEC 60093
Dielectric strength	23°C, 50% r.h.	73	kV/mm	ISO 60243-1
Resistance to tracking (CTI)	Platin electrode, 23°C, 50% r.h., solvent A	125	V	DIN EN 60112

Other Properties	Parameter	Value	Unit	Standard/Norm
Flammability	2.0mm	HB	-	UL94



Features & Benefits:

- **Good toughness**
- **High degree of rigidity**
- **Good heat resistance**
- **Low density**
- **Good damping**
- **Electrically insulating**

Compliances:

- **ISO 9001**
- **ROHS**
- **REACH**