



ENGLISH

Datasheet

RS PRO PVC Grey Rod 8mm Diameter x 1000mm long

Stock No: 438-6308



Specifications:

Chemical designation	PVC (Polyvinyl chloride)
Colour	Grey
Density	1.44 g/cm ³
Filler(s)	None

Technical Specifications:

Mechanical properties	Parameter	Value	Unit	Standard/Norm
Tensile strength at yield		45	MPa	DIN EN ISO 527
Elongation at break		15	%	DIN EN ISO 527
Modulus of elasticity (tensile test)		3000	MPa	DIN EN ISO 527
Notched impact strength (Charpy)		2	kJ/m ²	DIN EN ISO 179
Ball indentation hardness		140	MPa	DIN EN ISO 2039- 1

Thermal properties	Parameter	Value	Unit	Standard/Norm
Service temperature	short term	70	°C	Average
Service temperature	long term	60	°C	Average
Thermal conductivity		0.2	W/(K*m)	DIN 52612-1
Coefficient of linear thermal Expansion		8	10 ⁻⁵ K ⁻¹	DIN 53752

Electrical properties	Parameter	Value	Unit	Standard/Norm
Surface resistance		10 ¹³	Ohm	IEC 60093
Specific volume resistance		10 ¹⁵	Ohm*cm	IEC 60093
Dielectric constant		3		IEC 60250
Dielectric strength		39	kV/mm	IEC 60243-1

Other properties	Parameter	Value	Unit	Standard/Norm
Flammability		V0		UL94



Features & Benefits:

- High rigidity
- Very high density
- Good weather resistance
- Low moisture absorption
- Excellent chemical resistance
- High corrosion resistance
- Electrical insulation
- Good flame resistance
- High strength and toughness
- Excellent thermal and insulating properties

Compliances:

- ISO 9001 Approved
- ROHS
- REACH
- FDA approved