FEATURES

- Water white transparency
- High resistance to acids and alkalis, water and mould growth
- Excellent ability to process
- Resistant to mark, scratches, UV light, weather and chemicals
- Cure time of 4 hours at 60°C and 24 hours at 23°C

RS PRO Transparent PUR Potting Compound

RS Stock No.: 146-6593

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

The RS PRO polyurethane resin is an optically clear compound, making it ideal for LED encapsulation. It is suitable for aesthetic as well as a protective application over the top of the luminaire. Due to the aliphatic chemical nature of the resin chemistry, the cured resin is naturally resistant to the yellowing effects of UV light. It shows excellent weather resistance, as well as chemical resistance against a range of chemicals. This enables this clear, though yet flexible resin to be used in a range of applications, both indoor or outdoor.

General Specifications

Product Material	PUR
Package Type	Pack
Cure Time	24h
Hardness	85 Shore D
Colour	Clear
Odour	Characteristic
Chemical Composition	Chemical Resistance, Mark Resistance, Scratch Resistance, UV Light Resistance, Weather Resistance, Yellowing Resistance
Physical Form	Viscous Liquid
Storage Conditions	Dry Conditions: Above 15ºC, Below 35ºC
Usable Life (20°C)	17 mins
Gel Time (23°C)	21 mins
Special Properties	Flame Retardant
Shrinkage	<1%
Loss Tangent @ 50 Hz	0.025
Permittivity @ 50 Hz	3.50
Comparative tracking index	Not Measured
Applications	LED applications, Outdoor applications

Electrical Specifications

Dielectric Strength	10kV/mm

Mechanical Specifications

Package Size	250g
Thermal Conductivity	0.2W/mK
Viscosity Measurement	000 mPa/s at +25°C, 150
Tensile Strength (MPa)	7.2

Operation Environment Specifications

Operating Temperature Range	-40°C to 120°C
Maximum Operating Temperature	130°C
Minimum Operating Temperature	-40°C

Approvals

Compliance/Certifications	RoHS / ANSI/ESD S20.20:2014 / BS EN 61340-5-1:2007