



SAMRAT POLY RESINS

Manufacturer of Coating & Composite Resins · Doraha, Ludhiana, Punjab, India

TECHNICAL DATA SHEET

Doc. Ref: SPR-TDS-BGR · Rev. 01 · July 2026

BUTTON GRADE RESIN

Specialised Unsaturated Polyester Resin · Transparent, High-Gloss · Buttons & Small Mouldings

PRODUCT DESCRIPTION

Button Grade Resin is a specialised unsaturated polyester resin designed for manufacturing buttons and other small moulded accessories. Semi-liquid with medium viscosity, it is formulated for high clarity, excellent hardness, good polishability and durability, making it suitable for both transparent and coloured buttons in the fashion and garment industry.

KEY FEATURES

- High clarity and excellent hardness
- High-gloss, scratch-resistant finish
- Good polishability for a fine finish
- Cures in around 2 hours
- Supplied in 225 kg drums; minimum order 500 kg

RECOMMENDED APPLICATIONS

- Buttons for the fashion and garment industry
- Small moulded accessories
- Suitable for transparent and coloured buttons

TYPICAL TECHNICAL PROPERTIES

Resin Type	Polyester (unsaturated)
Grade	Casting / moulding
Physical Form	Semi-liquid
Colour / Appearance	Transparent
Viscosity	1,100 cPs
Gel Time	9.5 minutes
Curing Time	2 hours
Surface Finish	High gloss, scratch resistant
Curing System	MEKP catalyst with cobalt octoate accelerator; room-temperature cure
Styrene Content	33%
Catalyst / Dosage	MEKP 1.5% and Cobalt Octoate 0.1%
Specific Gravity / Density	1.20 g/cm ³
Flash Point	32 °C, closed cup
Shelf Life	2 months
Storage Temperature	30–35 °C
Packaging	225 kg drum
Minimum Order Quantity	500 kg

Fields marked “Not Provided” are pending confirmation with technical staff and will be issued in a revised sheet. No value is estimated or assumed.

SAFETY & HANDLING

Follow standard industrial safety practices when handling this product, including appropriate personal protective equipment and adequate ventilation. Refer to the applicable Safety Data Sheet (SDS) where available.

Disclaimer: The information above is based on data published by the manufacturer at the time of issue and is believed accurate. Values shown are typical and are not to be interpreted as guaranteed specifications; properties may vary within normal manufacturing tolerances between batches. Users are responsible for determining suitability for their intended application and should confirm current specifications directly with Samrat Poly Resins prior to use.