

TECHNICAL DATA SHEET:

LC TP 857

Version: 01

Date of issue: August 2025

Thermo Plastic Acrylic Resin: LC TP 857

Delivery Form:
58.0% (Xylene)

Packing:
200.0kg ms barrel/Tanker

Applications:
General-purpose Masonry and
Decorative coatings

Principal properties:

Thermoplastic acrylic resin (TPA)
having excellent Color, Gloss / Gloss
retention, and exterior durability
characteristics.

Salient features of this acrylic resin are
- Excellent Color / Color retention.
- Excellent gloss.
- Quick setting viz excellent hardness after
1.0 to 1.30 hrs air drying.
- Excellent soap and detergent resistance.

Dilutability:

White Spirit	limited
Xylene	complete
Esters	complete
Alcohol	complete

Compatibility:

L O Alkyd	limited
MO Alkyd	limited
Styrenated Alkyd	limited
Acrylic polyols	limited
Cellulose esters	good
Vinyl resins	good
Chlorinated rubber	good

Recommendations on formulation and use:

- Lacquers for PVC leather cloth.
- Housings for electronic equipment
(T V, Video cabinet etc.)
- Metalizing over-lacquers.
- U V protection and scratch
resistance for polycarbonate glazing.

Product Specification:

Property	Range	Unit
Viscosity@30°C	100 – 150	ps
Color, Gardner	01max	Gardner
Solids content	58.0 – 62.0	%
Appearance	Clear	-
Acid Value	14.0 max	mg KOH/g
Film Performance	excellent	

Other product data:

Property	Value	Unit
Sp.gr @ 25°C	1.0-1.20	g/m
Flash point	appr. 24.0	°C

Storage guidelines:

The resin should be stored indoors in the
original, unopened and undamaged containers
in a dry place at storage temperatures between
5°C and 30°C. Exposure to direct sunlight
should be avoided.

Shelf Life:

Under the above-mentioned storage, the shelf
life of the resin will be 9 months ex works.

Material Safety:

A material safety data sheet of the product is
available on request.

Although the facts and suggestions in this publication
are based on our own research laboratory
experimental work and are believed reliable, we
cannot assume any responsibility for performance or
results obtained through the use of our product
herein described, nor do we accept any liability for
loss or damages directly or indirectly caused by our
products. The user is held to check the quality, safety
and all other properties of our product prior to use