

Rapid Polymers

ADHESIVE POWDERS

Since 1974



POLYETHYLENE POWDERS

EVA POWDERS

POLYPROPYLENE POWDERS

TPU POWDERS

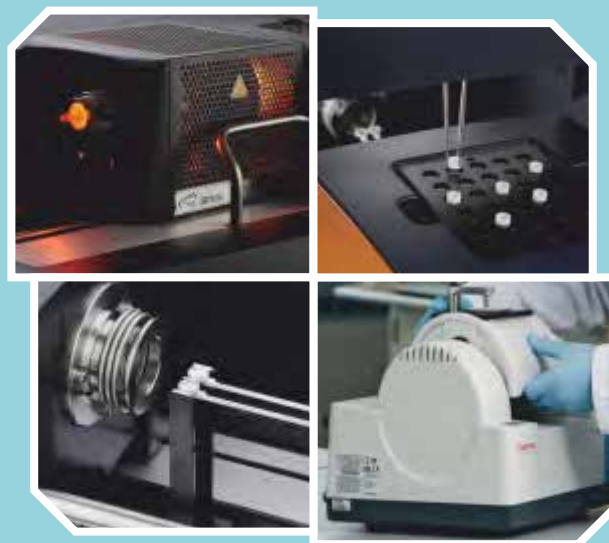
ABOUT US

Founded in 1974, in New Delhi, India Rapid Engineering Co. Pvt. Ltd. has grown into a leading manufacturer of

- Thermosetting Epoxy / Polyester Powder Coatings
- Thermoplastic Powder Coatings
- Plastic Masterbatches
- Adhesive Powders

Rapid's two manufacturing plants are located in Sahibabad, Uttar Pradesh & Noida, Uttar Pradesh. Total manufacturing space exceeds 300,000 square feet. Rapid also operates sales offices cum warehouses in New Delhi, Mumbai, Pune and Bangalore. Rapid's products are exported to more than 40 countries and is recognized as a "Star Export House" by the Government of India. Since 2001, the company is ISO certified and is currently compliant with ISO 9001: 2015 certification.

The R&D team at Rapid utilises cutting-edge instruments like DSC, FTIR, TGA, XRF, Spectrophotometer and QUV to develop innovative and sustainable solutions for our customers. In 2019, Rapid commenced cryogenic pulverisation to produce fine powders of difficult to grind polymers such as LDPE, HDPE, and EVA & TPU for metal coatings and as adhesives in leather and textiles.



Polyethylene Powders

We produce a wide range of PE powders using low-density to high-density polyethylene. Rapid's PE powders are available in varying particle size distributions (PSD) for scatter and microdot coating. These powders are environmentally friendly, low in emissions and free of solvents. The powders are coated on fusible interlinings for use in apparel, lingerie, automotive trims and furnishings

Available in low to high MFR	Customized Particle Size Range
Excellent Resistance to detergents & dry-cleaning solvents	Cost Effective
Non-Toxic. Environmentally Friendly	Good Bond Strength

Product Range

Polymer	MFR (g/10min)	Coating Temperature	Laundry Resistance	Temperature Resistance
LDPE Powder	4	120-140°C	Up to 50°C	Up to 80°C
LDPE Powder	20	120-135°C	Up to 50°C	Up to 80°C
LDPE Powder	30	120-130°C	Up to 60°C	Up to 80°C
LDPE Powder	70	120-130°C	Up to 60°C	Up to 80°C
HDPE Powder	20	150-170°C	Up to 95°C	Up to 100°C
LLDPE Powder	20	130-150°C	Up to 75°C	Up to 90°C
LLDPE Powder	50	125-145°C	Up to 75°C	Up to 90°C

Particle Size Range is customizable.

EVA Powders

We offer cryogenically pulverized EVA powders characterized by different VA (Vinyl Acetate) content. The % of VA determines the primary properties of the powder.

EVA based powders are used at low processing temperature and exhibit high elasticity. This make them especially useful for bonding heat sensitive substrates like shoe linings.

Excellent Resistance to detergents & dry-cleaning solvents	Excellent Bond Strength
Customized Particle Size Distribution (PSD) for scatter and micro dot coating	Non-Toxic
Vinyl Acetate Content 18% - 33%	Low Processing Temperature

Product Range

Polymer	MFR (g/10min)	VA Content (%)	Coating Temperature	Laundry Resistance	Powder Size
EVA Powder	25	28	80-85°C	Up to 40°C	100 - 150 µm
EVA Powder	150	28	80-85°C	Up to 40°C	100 - 150 µm
EVA Powder	400	28	80-85°C	Up to 40°C	100 - 150 µm
EVA Powder	18	33	80-85°C	Up to 40°C	100 - 150 µm

Particle Size Range is customizable.

TPU Powders

We offer cryogenically pulverized TPU powders that are phthalate and plasticizer free. TPU Powders are used in conveyor belts, outdoor textiles, foam lamination and transfer printing.

High Elasticity for Transfer Printing	Customized Particle Size Distribution (PSD)
Suitable for bonding with PU foams	High Abrasion resistance for Conveyor Belts
Oil and Grease Resistance	Phthalate and Plasticizer Free

Product Range

Polymer	MFR @ 160°C/2.16 Kg	MFR @ 190°C/2.16 Kg	Melting Temperature	Laundry Resistance	Shore Hardness
TPU Powder	14		124-132°C	Up to 50°C	84A
TPU Powder		40	140-148°C		86A
TPU Powder		30	150-158°C		93A

Particle Size Range is customizable.

Polypropylene Powders

We offer cryogenically pulverized PP powders exhibiting excellent resistance to acids and alkalis. PP powders are used in automotive carpet backing, plastic compounding and automotive parts.

Good Chemical Resistance	Customized Particle Size Distribution (PSD)
Non-toxic	High Abrasion resistance for Conveyor Belts



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ADHESIVE POWDERS

Plant 1

A-11/1, Site IV, Industrial Area, Madan Mohan Malviya Marg,
Sahibabad, U.P-201010, INDIA

+91 120 4041600 | +91 120 4041672 | +91 96542 92965

mail@rapidcoat.com
exports@rapidcoat.com

Plant 2

C-54, Phase II, Gautam Buddha Nagar, Noida, U.P-201305, INDIA

+91 120 3505000 | +91 120 3505003 | +91 96542 92965

sales@rapidpolymers.com
mail@rapidpolymers.com

Sales Offices

New Delhi

111-12 DSIDC, Phase-I, Okhla,
New Delhi-110020

+91 11 26813344
+91 96542 92961

delhi@rapidcoat.com

Mumbai

Plot No. 3, Sag Baug A.K Road,
Andheri (East), Mumbai-400059

+91 22 28508438 | +91 22 28508775
+91 22 28501303 | +91 75061 90193

mumbai@rapidcoat.com

Pune

Gate No. 153/1U, Mahalunge
Chakan-Telegaon Road,
Chakan, Pune-410501

+91 75061 90192 | +91 75061 61650

pune@rapidcoat.com

Bangalore

No. 53 Thigalara Palya Main Road,
Peenya 2nd Stage,
Bangalore-560058

+91 8929078180 | 080-29631123

bangalore@rapidcoat.com

www.adhesivepowders.com