

Rapid Polymers ADHESIVE POWDERS

Since 1974



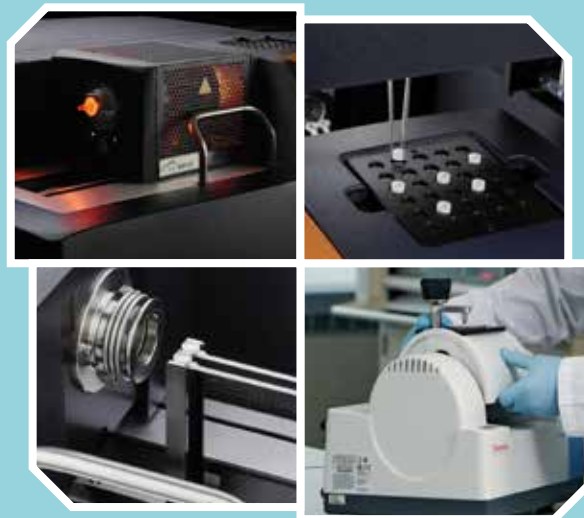
**HOT MELT
ADHESIVE
POWDER**

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, EVA and 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	Good Bond Strength

Product Range

Polymer	MFR (g/10min)	DSC (°C)	Laundry Resistance	PSD	Application
LDPE Powder	30	105-115°C	Up to 60°C	0-300µ, 100-500µ	Automotive
LDPE Powder	70	105-115°C	Up to 60°C	0-300µ, 100-500µ	Automotive
LLDPE Powder	50	115-130°C	Up to 75°C	0-300µ, 100-500µ	Automotive
LLDPE Powder	20	115-130°C	Up to 75°C	0-300µ, 100-500µ	Automotive
HDPE Powder	20	125-135°C	Up to 80°C	0-200µ, 0-300µ	Interlining
LDPE Powder	70	105-115°C	-	<100µ	SMC/BMC

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)	DSC(°C)	VA Content	Particle Size Distribution	Application
EVA Polymer	25	60-80°C	28%	100-500µ, 200-400µ, 200-500µ	Interlining
EVA Polymer	150	60-80°C	28%	100-500µ, 200-400µ, 200-500µ	Interlining
EVA Polymer	400	60-80°C	28%	100-500µ, 200-400µ, 200-500µ	Interlining
EVA Polymer	45	60-80°C	33%	100-500µ, 200-400µ, 200-500µ	Interlining

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 Resistant	Phthalate and Plasticizer Free

Product Range

Polymer	MFR @ 160°C/2.16 Kg	DSC (°C)	Hardness	Particle Size Distribution	Application
TPU Powder	25-40	135-145°C	85A	100-500µ	Conveyor Belt
TPU Powder	25-40	145-155°C	93A	100-500µ	Conveyor Belt
TPU Powder	-	110-125°C	80A	0-80µ, 0-200µ, 80-200µ	Transfer Printing

Particle Size Range is customizable.

Contract Pulverising

We provide expertise in plastic powders through our contract manufacturing services. We can pulverize your products to your specified particle size, accommodating a range from coarse powders to fine powders using both cryogenic & ambient pulverising.



Rapid Polymers ADHESIVE POWDERS

Plant 1

C-54, Phase II, Gautam Buddha Nagar, Noida, U.P-201305, INDIA
+91 120 3505000 | +91 120 3505003 | +91 96542 92965
exports@rapidpolymers.com
sales@rapidpolymers.com

Plant 2

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

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