



Innovation... Quality... Commitment...

Taste masking resin...



Thickening/Gelling Agent...



US DMF



Dharacoat[®]

Methacrylic Acid Copolymer

Readycoat[®]

Film Coating Ready Mix

Enteric Coating | Film Coating | Moisture Barrier | Sustained-Release
Taste Masking | Super Disintegrant | Rheology Modifiers

Pharma Polymers

Dharacoat[®]

| Products | Dissolution | Pharmacopoeia |
|------------------|----------------|---|
| L 30D-55 | pH 5.5 & above | USP/NF : Methacrylic Acid and Ethyl Acrylate Copolymer Dispersion Ph. Eur. : Methacrylic Acid-Ethyl Acrylate Copolymer (1:1) Dispersion 30% |
| L 100-55 | pH 5.5 & above | USP/NF : Methacrylic Acid and Ethyl Acrylate Copolymer Ph. Eur. : Methacrylic Acid-Ethyl Acrylate Copolymer (1:1) Type A |
| MAE 100P | pH 5.5 & above | USP/NF : Partially-Neutralized Methacrylic Acid and Ethyl Acrylate Copolymer (1:1) Ph. Eur. : Methacrylic Acid-Ethyl Acrylate Copolymer (1:1) Type B |
| L 100 | pH 6.0 & above | USP/NF : Methacrylic Acid and Methyl Methacrylate Copolymer (1:1) Ph. Eur. : Methacrylic Acid-Methyl Methacrylate Copolymer (1:1) |
| S 100 | pH 7.0 & above | USP/NF : Methacrylic Acid and Methyl Methacrylate Copolymer (1:2) Ph. Eur. : Methacrylic Acid-Methyl Methacrylate Copolymer (1:2) |
| E 100/EPO | pH 5.0 & below | USP/NF : Amino Methacrylate Copolymer Ph. Eur. : Basic Butylated Methacrylate Copolymer |

Color Ready Mix


Readycoat[®]

| Products | Solvent System | Reconstitution | Application |
|---------------------------------------|--|--|--|
| Immediate Release formulations | | | |
| UNIVERSAL | Aqueous/Non Aqueous/ Hydroalcoholic Film coating (Wt. gain : 2.0 to 2.5 %)* | Aqueous System (08 times of Powder Wt.) DM Water : 100% (% w/w) Solvent System (15 times of Powder Wt.) IPA : MDC (30:70) (% w/w) | Ciprofloxacin HCl, Azithromycin, Fexofenadin HCl, Metformin HCl, Ibuprofen, Acetaminophen, etc. |
| HS | Aqueous Film coating (Wt. gain : 1.5 to 2.5 %)* | Aqueous System (02 times of Powder Wt.) DM Water : 100% (% w/w) | Cetirizine HCl, Metformin HCl, Azithromycin, Acetaminophen, Ciprofloxacin HCl, etc. |
| AMB | Aqueous Moisture Protective Film coating (Wt. gain : 3.0 to 3.5 %)* | Aqueous System (04 times of Powder Wt.) DM Water : 100% (% w/w) | Ranitidine HCl, Multivitamin, Calcium, Herbal, B-complex, Clopidogrel Bisulphate, Montelukast, etc. |
| MB | Non Aqueous Moisture Protective Film coating (Wt. gain : 3.0 to 3.5 %)* | Solvent System (15 times of Powder Wt.) IPA : MDC (30:70) (% w/w) | Potassium clavulanate, Ranitidine HCl, Clopidogrel Bisulphate, Multivitamin, etc. |
| SC | Aqueous/Non Aqueous Hydroalcoholic Barrier Film coating (Wt. gain : 2.0 to 3.0 %)* | Aqueous System (07 times of Powder Wt.) DM Water : 100% (% w/w) Solvent System (15 times of Powder Wt.) IPA : MDC (30:70) (% w/w) | Pantoprazole sodium, Rabeprazole sodium, Esomeprazole sodium, etc. |
| CLEAR | Aqueous/Non Aqueous/ Hydroalcoholic Transparent Film coating (Wt. gain : 1.5 to 2.5 %)* | Aqueous System (12 times of Powder Wt.) DM Water : 100% (% w/w) Solvent System (20 times of Powder Wt.) IPA : MDC (35:65) (% w/w) | Herbal, Senna, Multivitamin, Diclofenac potassium, etc. |
| SG | Aqueous Sugar Film coating | Aqueous System (02 times of Powder Wt.) DM Water : 100% (% w/w) | Bisacodyl, Trypsin and Chymotrypsin, Chloroquine, etc. |
| Enteric formulations | | | |
| EZE | Aqueous Enteric Film coating (Wt. gain : 6.0 to 9.0 %)* | Aqueous System (04 times of Powder Wt.) DM Water : 100% (% w/w) (Wt. gain : 6.0 to 9.0 %)* | Pantoprazole sodium, Rabeprazole sodium, Esomeprazole Magnesium, Bisacodyl, Diclofenac sodium, Aspirin, Sulfasalazine, etc. |
| EC | Non Aqueous/ Hydroalcoholic Enteric Film coating (Wt. gain : 6.0 to 9.0%)* | Solvent System (08 times of Powder Wt.) IPA : 90% (% w/w) DM Water : 10% (% w/w) | Pantoprazole sodium, Rabeprazole sodium, Esomeprazole Magnesium, Bisacodyl, Sodium Valproate, Mesalazine, etc. |


Specialty Products

• PEARL • GLOW • SWEET • FLAVOUR


Resin (Pharma Grades)

|  | IRP 640 | IRP 641 | IRP 881 | IRP 690 | IRP 691 | IRP 692 | IRP 760 |
|---|--|--|--|--|--|--|--|
| Type | Weak acid | Weak acid | Weak acid | Strong acid | Strong acid | Strong acid | Weak base |
| Functionality | -COO- | -COO- | -COO- | -SO ₃ - | -SO ₃ - | -SO ₃ - | Secondary amine |
| Ionic form | Hydrogen | Hydrogen | Potassium | Hydrogen | Sodium | Calcium | Free base |
| Matrix | Polyacrylic copolymer | Polyacrylic copolymer | Polyacrylic copolymer | Polystyrene copolymer | Polystyrene copolymer | Polystyrene copolymer | Polystyrene copolymer |
| Water content (%) | <10 | <5 | <10 | <10 | <10 | <10 | <10 |
| Appearance | White to off white free flowing powder | White to off white free flowing powder | White to off white free flowing powder | Off White to golden yellow free flowing powder | Off White to golden yellow free flowing powder | Off White to golden yellow free flowing powder | White to off white free flowing powder |
| Pharmacopoeia | In house | In house | Polacrillin potassium USP/NF | In house | Sodium polystyrene Sulfonate USP | Calcium polystyrene Sulfonate BP | In house |
| Application | Cefixime, Linezolid, etc. | Metronidazole, Ofloxacin, Norfloxacin etc. | Ondansetron, Sildenafil Citrate etc. | Erythromycin ethylsuccinate etc. | Active (hyperkalemia) | Active (hyperkalemia) | Dicloxacillin etc. |


Drug Specific Grades

|  | IRP 882 AZ | IRP 882 RX | IRP 882 CP | IRP 641C | IRP 641A |
|--|------------------------|---------------|-------------------|---|---|
| Application | Azithromycin dihydrate | Roxithromycin | Ciprofloxacin HCL | Cefuroxime axetil, Cefpodoxime proxetil | Chloroquine phosphate, Quinine sulphate |

Ready to Use Grades

|  | Ionex RTU CP | Ionex RTU AZ | Ionex RTU FT | Ionex RTU ZN | Ionex RTU CA |
|---|-----------------------------|------------------------|--------------------------|---------------|-------------------|
| Application | Ciprofloxacin Hydrochloride | Azithromycin Dihydrate | Famotidine | Zinc Sulphate | Cefuroxime Axetil |
| | Ionex RTU PR | Ionex RTU C | Ionex RTU FX | Ionex RTU IB | Ionex RTU RX |
| Application | Cefuroxime Proxetil | Cefixime | Flucloxacillin Magnesium | Ibuprofen | Roxithromycin |

Super Disintegrant

|  | IRP 880 |
|---|--|
| Pharmacopoeia | Polacrillin potassium USP/NF |
| Application | Super Disintegrant Dissolution Improvement |



Polymers Pvt. Ltd.

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Group Companies



Lifescience Pvt. Ltd.

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Taste masking resin...



Thickening/Gelling Agent...



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Methacrylic Acid Copolymer

**"You Name it,
We Frame it !"**

**Customise
Polymer
Development**



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Film Coating Ready Mix

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