



**RAYSONS
GROUP**



RAYSONS
SANDCHEM PVT. LTD.



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Raysons Sand chem Pvt. Ltd. is having state of the art manufacturing facility to Produce various grades of Resin Coated Sand using Hot and warm coating processes. The unit is located in MIDC Shirol, Kolhapur, India. Having full fledged facilities.

Raysons Group is one of the leading and largest manufacturers of Resin Coated Sand or precoated sand or shell sand used in various types of foundries for shell, moulds, & cores. The company is in the field for last more than 30 years having a manufacturing capacity of about 3000 MT per month (36000 MT per year), it is one of the leading Resin Coated Sand manufacturing company in the country.

Raysons Group has a well developed and maintained Quality Management system with ISO-9001: 2015 certification. It is India 's first Resin Coated Sand manufacturing unit to receive ISO- 9002 certification from QAS, Australia .

We manufacture wide range of various grades of sand from 2.5% to 6.5% resin contents used for foundries manufacturing Iron, Steel, Aluminum, Alloy and Bronze castings and other applications. We also pioneer in custom formulating sands to meet the needs of individual foundries depending upon the specific job requirements and thus substituting the international products.

We are having well developed and fully equipped ultra modern testing laboratory to test almost all critical and important parameters of inputs & Resin Coated Sand fulfilling all the international standards.



Benefits of Resin Coated Sand

- Castings can be produced with close tolerance and with very minimum machining allowances along with excellent surface finish.
- Hollow cores can be produced.
- Lump free sand.
- No crack of core or shell.
- High transverse strength.
- Low density of Raysons Resin Coated Sand gives maximum output.
- Less core weight.
- Release agent gives maximum output without breakages.
- Fast curing of Raysons Resin Coated Sand gives high production with uniform baking of sand.
- Special fine Resin Coated Sand doesn't require refractory coatings or core paint, achieves better surface finish.
- Low rate of core gas generation.

**HTS Machine****Core Gas Determinator****Peel Back Tester**

➤ Specialization

Raysons have developed a tailor made product to suit to exact customer needs. Raysons sand grades include Low Gas Sand, High Permeability, Collapsibility Sands.

Special offerings of Raysons Resin Coated Sand :

- Easy decoring without thermal process for critical aluminum components.
- Improved release.
- Uniform wall thickness.
- Faster build up rates.
- Sand developed to minimize shake out time.
- Collapsibility rates are nearly twice as fast as normal coated sand.
- Greater depth of cure.
- High curing speed.
- Special sand for aluminum and light alloy applications.

➤ Capacity

We at Raysons have developed full fledged Quality Control Department to test all the critical and important parameters of resin coated sand as well as of the raw materials used.

- Raysons group is equipped with fully automatic sand processing and coating facility that can
- produce 40000 MT of RAYSONS RESIN COATED SAND per annum.
- Presently we manufacture 3000 MT per month of Resin Coated Sand.

> Quality Assurance

Machine

- HTS Machine.
- CTS Attachment.
- AFS Machine.
- Transverse Strength.
- Gas Apparatus.
- Muffle Furnace.
- Peel Back Machine.
- Stick Point Tester
- Sand Washer

To Check

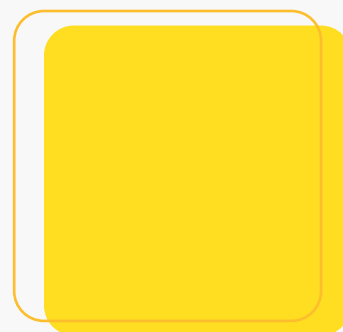
- HTS of Resin Coated Sand.
- CTS of Resin Coated Sand.
- Mesh Size of Sand.
- Anti-Binding Strength.
- Core Gas Content.
- Loss On Ignition.
- Drop Off And Built Up.
- Stick Point of Sand
- Clay Content of Raw Sand



Transvers Strength Machine

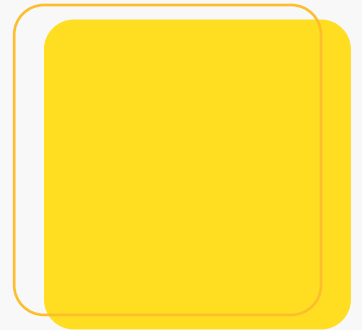


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> Quality System

- Raysons Group has been awarded ISO 9002 certification by Standards Australia in February 1996.
- It is India's first RESIN COATED SAND manufacturer to get ISO 9002 from QAS, Australia.
- Currently Raysons Sand Chem Pvt. Ltd. has implemented Quality Manager System in accordance with ISO 9001: 2015
- Ever growing customer base with number of reputed customers numbered more than 200.
- Our policy is to manufacture top quality product and ultimate customer satisfaction is our main objective and goal.



RAYSONS SANDCHEM PVT. LTD.

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