



SHREE GOKULA ALUMINIUM ALLOYS

**Precision Aluminium Alloys for a
Sustainable Tomorrow**



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About Us

Based in the industrial hub of Hosur, India, we are a leading manufacturer specializing in the development and production of high-quality, custom aluminium alloys and components. Our commitment to precision, sustainability, and quality ensures that we deliver materials that exceed the demanding standards of the modern engineering sector.

🎯 Our Vision:

To be the nation's foremost provider of recycled and sustainably produced high-quality aluminium alloys and components, meeting the ever-growing demands of the global population while championing environmental stewardship.

🚀 Our Mission:

To continuously develop and supply custom-engineered aluminium alloys and components using state-of-the-art technology and sustainable practices, fostering lasting partnerships with our clients through unwavering quality, reliable supply, and technical expertise.

**Partnering for excellence in the
Automotive and Engineering
Industries**

State-of-the-Art Manufacturing Facilities



We maintain complete control over the alloying and component manufacturing process, ensuring metallurgical integrity and consistency from raw material to finished product

Melting & Alloying Capacity:

- Equipped with both Oil-Fired and Coke-Fired furnaces, providing flexibility and optimal control over the melting process for different alloy requirements (5 Tons/day capacity)

PDC Component Manufacturing:

- We operate three (3) x 120-Ton Pressure Die Casting Complete Units, enabling the mass production of complex, high-tolerance components with excellent surface finish and mechanical properties.



We Recycle to Save Environment

Continued.

Quality Assurance & Testing:

- Spectrometer: Equipped with an advanced spectrometer, we conduct real-time, highly accurate chemical composition analysis to ensure every batch of alloy meets the specified quality standards and client specifications.



Environmental Commitment & Sustainability:

- Complete Pollution Control Equipment: We prioritize responsible manufacturing by deploying cutting-edge systems to minimize environmental impact and maintain compliance.
- Alumina Recovery Units: Actively promoting a circular economy by efficiently recovering alumina from process waste, reducing waste generation and raw material consumption.

| ALUMINIUM ALLOYS CHEMICAL COMPOSITION (%) | | | | | | | | | | | | |
|---|-----------|---------|---------|---------|----------|------|---------|---------|------|------|---------|------|
| | (Si) | (Fe) | (Cu) | (Mn) | (Mg) | (Cr) | (Ni) | (Zn) | (Ti) | (Pb) | (Sn) | (Al) |
| ADC1(AD1.1) | 11.0-13.0 | 0.9Max | 1.0Max | 0.3Max | 0.3Max | - | 0.5Max | 0.5Max | - | - | 0.10Max | BAL |
| ADC3(AD3.1) | 9.0-10.0 | 0.90Max | 0.60Max | 0.30Max | 0.40-0.6 | - | 0.50Max | 0.50Max | - | - | 0.10Max | BAL |
| ADC5(AD5.1) | 0.30Max | 1.10Max | 0.20Max | 0.30Max | 4.1-8.5 | - | 0.10Max | 0.10Max | - | - | 0.10Max | BAL |
| ADC6(AD6.1) | 1.00Max | 0.60Max | 0.10Max | 0.4-0.6 | 2.6-4.0 | - | 0.10Max | 0.40Max | - | - | 0.10Max | BAL |
| ADC10(AD10.1) | 7.5-9.5 | 0.9Max | 2.0-4.0 | 0.50Max | 0.30Max | - | 0.50Max | 1.00Max | - | - | 0.20Max | BAL |
| ADC10Z(AD10Z.1) | 7.5-9.5 | 0.9Max | 2.0-4.0 | 0.50Max | 0.30Max | - | 0.50Max | 3.00Max | - | - | 0.20Max | BAL |
| ADC12(AD12.1) | 9.6-12.0 | 0.9Max | 1.5-3.5 | 0.50Max | 0.30Max | - | 0.50Max | 1.00Max | - | - | 0.20Max | BAL |
| ADC12Z(AD12Z.1) | 9.6-12.0 | 0.9Max | 1.5-3.5 | 0.50Max | 0.30Max | - | 0.50Max | 3.00Max | - | - | 0.20Max | BAL |

| ALUMINIUM ALLOY INGOT CHEMICAL COMPOSITION(%) | | | | | | | | | | | | |
|---|-----------|---------|----------|---------|-----------|---------|---------|---------|---------|---------|---------|------|
| U.K.BS1490 | (Si) | (Fe) | (Cu) | (Mn) | (Mg) | (Cr) | (Ni) | (Zn) | (Ti) | (Pb) | (Sn) | (Al) |
| LM2 | 9.0-11.5 | 1.00Max | 0.7-2.5 | 0.50Max | 0.30Max | - | 0.50Max | 2.00Max | 0.20Max | 0.30Max | 0.10Max | BAL |
| LM4 | 4.0-6.0 | 1.00Max | 2.0-4.0 | 0.2-0.6 | 0.2Max | - | 0.30Max | 0.50Max | 0.20Max | 0.10Max | 0.10Max | BAL |
| LM5 | 0.30Max | 0.60Max | 0.10Max | 0.3-0.7 | 3.0-6.0 | - | 0.10Max | 0.10Max | 0.20Max | 0.05Max | 0.05Max | BAL |
| LM6 | 10.0-13.0 | 0.60Max | 0.10Max | 0.50Max | 0.10Max | - | 0.10Max | 0.10Max | 0.20Max | 0.10Max | 0.05Max | BAL |
| LM9 | 10.0-13.0 | 0.60Max | 0.10Max | 0.3-0.7 | 0.2-0.6 | - | 0.10Max | 0.12Max | 0.20Max | 0.10Max | 0.05Max | BAL |
| LM10 | 0.25Max | 0.35Max | 0.10Max | 0.10Max | 9.5-11.0 | - | 0.10Max | 0.10Max | 0.20Max | 0.05Max | 0.05Max | BAL |
| LM12 | 2.50Max | 1.00Max | 9.0-11.0 | 0.60Max | 0.2-0.4 | - | 0.50Max | 0.80Max | 0.20Max | 0.10Max | 0.10Max | BAL |
| LM13 | 10.0-13.0 | 1.00Max | 0.7-1.5 | 0.50Max | 0.8-1.5 | - | 1.50Max | 0.50Max | 0.20Max | 0.10Max | 0.10Max | BAL |
| LM16 | 4.5-5.5 | 0.60Max | 1.0-1.5 | 0.50Max | 0.4-0.6 | - | 0.25Max | 0.10Max | 0.20Max | 0.10Max | 0.05Max | BAL |
| LM18 | 4.5-6.0 | 0.60Max | 0.10Max | 0.50Max | 0.10Max | - | 0.10Max | 0.10Max | 0.20Max | 0.10Max | 0.05Max | BAL |
| LM20 | 10.0-13.0 | 1.00Max | 0.40Max | 0.50Max | 0.20Max | - | 0.10Max | 0.20Max | 0.20Max | 0.10Max | 0.10Max | BAL |
| LM21 | 5.0-7.0 | 1.00Max | 3.0-5.0 | 0.2-0.6 | 0.1-0.3 | - | 0.30Max | 0.20Max | 0.20Max | 0.20Max | 0.10Max | BAL |
| LM22 | 4.0-6.0 | 0.60Max | 2.8-3.8 | 0.2-0.6 | 0.05Max | - | 0.15Max | 0.15Max | 0.20Max | 0.10Max | 0.05Max | BAL |
| LM24 | 7.5-9.5 | 1.30Max | 3.0-4.0 | 0.50Max | 0.30Max | - | 0.50Max | 3.00Max | 0.20Max | 0.30Max | 0.20Max | BAL |
| LM25 | 6.5-7.5 | 0.50Max | 0.20Max | 0.30Max | 0.2-0.6 | - | 0.10Max | 0.10Max | 0.20Max | 0.10Max | 0.05Max | BAL |
| LM26 | 8.5-10.5 | 1.20Max | 2.0-4.0 | 0.50Max | 0.5-1.5 | - | 1.00Max | 1.00Max | 0.20Max | 0.10Max | 0.10Max | BAL |
| LM27 | 6.0-8.0 | 0.80Max | 1.5-2.5 | 0.2-0.6 | 0.35Max | - | 0.30Max | 1.00Max | 0.20Max | 0.20Max | 0.10Max | BAL |
| LM28 | 17.0-20.0 | 0.70Max | 1.3-1.8 | 0.60Max | 0.8-1.3 | 0.60Max | 0.8-1.3 | 0.20Max | 0.20Max | 0.10Max | 0.10Max | BAL |
| LM29 | 22.0-25.0 | 0.70Max | 0.8-1.3 | 0.60Max | 0.8-1.3 | 0.60Max | 0.8Max | 0.20Max | 0.20Max | 0.10Max | 0.10Max | BAL |
| LM30 | 16.0-18.0 | 1.10Max | 4.0-5.0 | 0.30Max | 0.4-0.7 | - | 0.10Max | 0.20Max | 0.20Max | 0.10Max | 0.10Max | BAL |
| LM31 | 0.25Max | 0.5Max | 0.10Max | 0.10Max | 0.50-0.75 | 0.4-0.6 | 0.10Max | 4.8-5.7 | 0.25Max | 0.05Max | 0.05Max | BAL |

Our Advantages

Guaranteed Product Quality



We always prioritize the quality of the products we market, because these products go through various strict tests to ensure their suitability.

Commitment to Sustainability



We are committed to always improving environmentally friendly practices from products, materials, to production processes.

Trusted by Industry Leaders:

Our commitment to quality has earned the trust of some of the most respected names in the manufacturing and automotive industries:

- Sandar Groups
- TVS Groups
- Gravitech Inc
- Tech Auto Pvt Ltd

Why Choose Us?

- Custom Alloy Development: Alloys engineered to your exact specifications.
- Assured Quality: Rigorous quality control at every stage.
- Sustainable Sourcing: A focus on recycled materials and energy efficiency.

Commitment to Our Team

Our employees are our greatest asset. To foster a dedicated and stable workforce, we provide comfortable on-site residential facilities within the company perimeters. This commitment to employee well-being ensures continuous quality and operational excellence.

Thank you for getting to know us better.

We look forward to working with you and bringing positive change through our superior products and services.

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