



0.561

Customer - Jindal Aluminium Ltd, Bhiwadi
Section - Round Bars
Grade - H-13

Date: 04-03-2022

| Standard Spec | Chemical Analysis % | | | | | | | | |
|---------------|---------------------|------|------|------|------|-------|-------|------|------|
| | C | Mo | Cr | Si | Mn | P | S | V | |
| Min | 0.33 | 1.10 | 4.75 | 0.80 | 0.20 | | | | |
| Max | 0.43 | 1.60 | 5.50 | 1.20 | 0.50 | 0.030 | 0.030 | 0.75 | 1.20 |

| Element | Size | C | Mo | Cr | Si | Mn | P | S | V |
|--------------|---------|------|------|------|------|------|-------|-------|------|
| Heat | | | | | | | | | |
| PS/V/545/FEB | Dia 331 | 0.38 | 1.21 | 4.93 | 0.89 | 0.39 | 0.021 | 0.016 | 0.83 |

Structure Property

- Decarburization (mm) – 0
- Carbide Distribution level – 2.5
- Annealed Hardness – Max 240 BHN
- Hardenability – (HRC) – 48
- Macrostructure Level -
- Ordinary Porosity - <=1.0
- Center Porosity - <=1.0
- Segregation - <=1.0
- Ultrasonic Inspection – Pass at ASTM 388, 4 FBH
- Mercury Free, Radiation Free, No Weld Repair
- Process - Bottom Poured + VD Route + LRF

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