

 TD219 Rev.00	PLANT PURCHASING SPECIFICATION HYDERABAD	FY40010 Rev. No. 00 Page 1 of 1																		
Alumina Zirconia beads/lumps																				
1.0 GENERAL: This specification governs the requirement of Alumina Zirconia beads/lumps. 2.0 APPLICATION: For use as abrasive material. 3.0 COMPLIANCE WITH NATIONAL STANDARD There are no equivalent national or international standards/specifications for this product. 4.0 PROPERTIES 4.1 Chemical composition: a)Al₂O₃ :69-75% b) ZrO₂:24-30% c) SiO₂:0.15-0.6% d)TiO₂:0.10-0.35% 4.2 Bulk density: 2.35-2.50 g/cm³ 4.3 It should have minimum hardness of 1450Hv10. 4.4 Its shape shall be irregular/spheroid. 5.0 SIZE (FEPA Grit Size) a) Grade I- F12 b) Grade II- F14 6.0 FREEDOM FROM DEFECTS The material shall be free from any foreign matter. 7.0 ACCEPTANCE TEST Each consignment shall be accepted on successful trial after supply. 8.0 INSPECTION, DEVIATION AND REPLACEMENT BHEL reserves the right to inspect the material at BHEL and material can be accepted or rejected based on result. 9.0 TEST CERTIFICATE One original and three copies of test certificate from the Manufacturer containing the following information should be provided. Manufacturer's Name Name of the material. Quantity. Results of chemical analysis and all other properties as called for in this specification/order. 10.0 PACKING AND MARKING The material shall be packed such as to prevent loss / deterioration in quality during handling, transport and Storage i.e., preferably in 25/50Kg poly lined HDPE bag. It should be marked with the following details. Alumina Zirconia beads/lumps Size Net weight																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="padding: 5px;">Revisions:</td> <td colspan="3" style="padding: 5px;">Issued : Foundries and Pattern Shop</td> </tr> <tr> <td style="width: 16.6%; padding: 5px;">Rev. No.</td> <td style="width: 16.6%; padding: 5px;">Amd .No.</td> <td style="width: 16.6%; padding: 5px;">Reaffirmed:</td> <td style="width: 16.6%; padding: 5px;">Prepared:</td> <td style="width: 16.6%; padding: 5px;">Approved:</td> <td style="width: 16.6%; padding: 5px;">Date of 1st issue:</td> </tr> <tr> <td style="padding: 5px;">Dt.</td> <td style="padding: 5px;">Dt.</td> <td style="padding: 5px;">Year:</td> <td style="padding: 5px;">B Srujan</td> <td style="padding: 5px;">Abhinav Agrawal</td> <td style="padding: 5px;">06.10.2020</td> </tr> </table>			Revisions:			Issued : Foundries and Pattern Shop			Rev. No.	Amd .No.	Reaffirmed:	Prepared:	Approved:	Date of 1st issue:	Dt.	Dt.	Year:	B Srujan	Abhinav Agrawal	06.10.2020
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