

PSHVE/16-17/11	Product Specifications For ACRYLIC TANK	Drg. No.																					
		Date	06.11.2016																				
		Product																					
1.0	Application: Acrylic tank will be used to test insulation of press board barriers immersed in oil																						
2.0	Material: Acrylic(Poly(methyl methacrylate))																						
3.0	Dimensions: <table><tr><th>S. No</th><th>Volume</th><th>Thickness</th><th>Qty.</th></tr><tr><td>1</td><td>2 m*2 m*2 m</td><td>10 mm</td><td>1</td></tr></table>			S. No	Volume	Thickness	Qty.	1	2 m*2 m*2 m	10 mm	1												
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4.0	Specifications: 1. The tank should be able to hold oil to its full capacity. 2. The tank should be leakage proof. 3. The tank material shall meet the following specifications: <table><tr><th>PROPERTY</th><th>VALUE</th></tr><tr><td>Density</td><td>1.1-1.2 g/cm³</td></tr><tr><td>Rockwell hardness</td><td>~100</td></tr><tr><td>Water absorption</td><td>< 0.5%</td></tr><tr><td>Flammability</td><td>E class</td></tr><tr><td>Tensile strength</td><td>>50 MPa</td></tr><tr><td>Electrical strength</td><td>13 to 15 kV/mm</td></tr><tr><td>Impact strength</td><td>>10 kJ/m²</td></tr><tr><td>Refractive Index</td><td>1.4-1.5</td></tr><tr><td>Surface Resistivity</td><td>>10¹⁴ ohm/m²</td></tr></table>			PROPERTY	VALUE	Density	1.1-1.2 g/cm ³	Rockwell hardness	~100	Water absorption	< 0.5%	Flammability	E class	Tensile strength	>50 MPa	Electrical strength	13 to 15 kV/mm	Impact strength	>10 kJ/m ²	Refractive Index	1.4-1.5	Surface Resistivity	>10 ¹⁴ ohm/m ²
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5.0	Tank shall be packed individually in appropriate packing so as to prevent transit damages.																						
6.0	<u>GUARANTEE CERTIFICATE:</u> Warranty certificate for the period of 12 months shall be furnished along with the supply. The tank shall be guaranteed against all manufacturing defects.																						

7.0	<u>GENERAL</u>		
	The components shall be guaranteed against all manufacturing defects. In case of doubts in specifications, the supplier shall contact BHEL for clarifications.		
	PSHVE/16-17/11.doc		Signature