



Shiv Sales Corporation[®]

Shop No. 5272, Opposite Dena Bank, Main Market, G.B. Road

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Mineral-Wools

Physical Properties

| | |
|---|--------------------------------|
| Apparent Density in loose state | : 70kg/cu.m. |
| Apparent Density at 0.02 Kg/cm ² | : 100 Kg/cu.m. |
| Moisture Content % by weight | : 0.3 |
| Moisture Absorbtion % by weight | : 0.05 |
| Carbon Content % by weight | : 0.04 |
| Sulphur Content % by weight | : Practically Nill |
| Average Fibre Diameter | : 5 microns |
| Shot Content | : Cumulative % retained on |
| | : I. S. 500 micron sieve : 3.0 |
| | : I. S. 500 micron sieve : 3.0 |
| | : I. S. 250 micron sieve : 9.0 |

Test on combustibility - satisfactory (when tested at 750°C)

a) Loss in weight after the test - 0.1

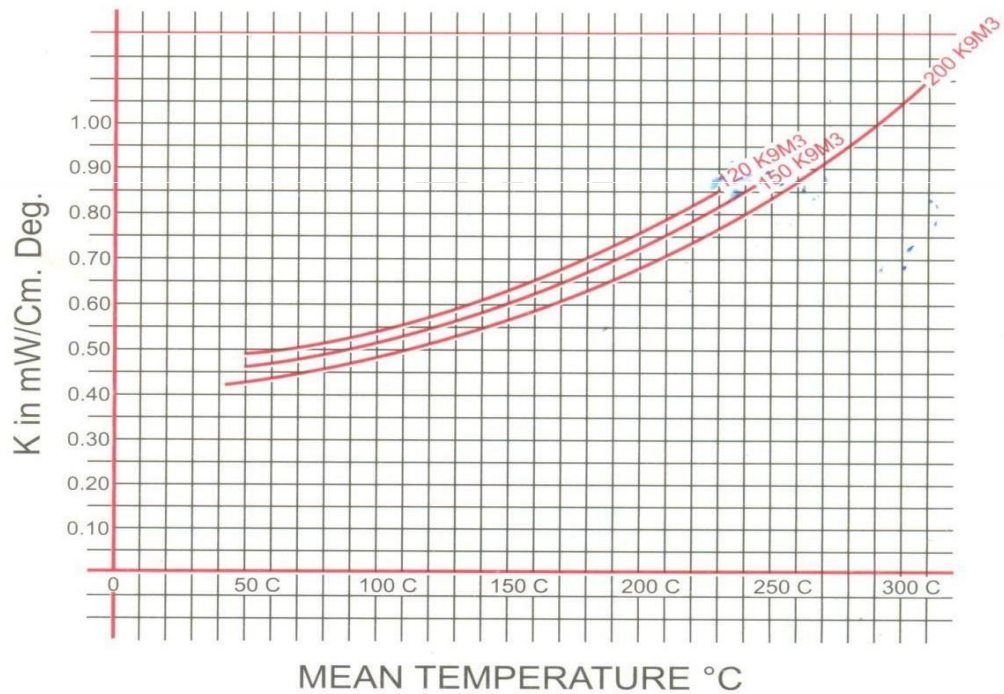
b) Practically no combustible vapour was emitted during the test.

Chloride Content % : 0.0032

Max. Service Temp : 750°C

Thermal Conductivity

| Mean Temp. Oc | Thermal Conductivity in mW/cm.deg. | | |
|------------------|------------------------------------|-----------|-----------|
| | 200 Kg/M3 | 150 Kg/m3 | 120 Kg/m3 |
| 50 | 0.42 | 0.46 | 0.48 |
| 100 | 0.50 | 0.52 | 0.54 |
| 150 | 0.60 | 0.62 | 0.66 |
| 200 | 0.72 | 0.75 | 0.78 |



Recommended Thickness of Insulation

| Recommended Thickness in mm | | | | | | |
|-----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|------------|
| Pipe Size (N. B) | Upto 100°C 200°C | 101°C to 300°C | 201°C to 400°C | 301°C to 500°C | 401°C to 750°C | 500° to |
| 20 | 25 | 40 | 40 | 50 | 75 | 75 |
| 25 | 25 | 40 | 40 | 63 | 75 | 75 |
| 40 | 25 | 40 | 50 | 63 | 89 | 89 |
| 50 | 25 | 40 | 50 | 63 | 89 | 89 |
| 75 | 25 | 40 | 50 | 75 | 100 | 100 |
| 100 | 25 | 40 | 50 | 75 | 100 | 100 |
| 150 | 25 | 50 | 50 | 75 | 115 | 115 |
| 200 | 40 | 50 | 63 | 89 | 115 | 115 |
| 250 | 40 | 50 | 63 | 89 | 115 | 127 |
| 300 | 40 | 50 | 63 | 89 | 127 | 127 |
| 350 | 40 | 50 | 63 | 89 | 127 | 127 |
| Vessels | 40 | 50 | 63 | 100 | 127 | 127 |

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