

Technical Data Sheet

primere

by metadynea

Primere 72 6446M

Phenol-formaldehyde resin

TC (technical conditions) 2221-012-72149825-2014

Description

Primere 72 6446M is a liquid condensation product of phenol and formaldehyde used as bonding in insulation wool manufactory.

Specification

| Parameter | Range of values | Method |
|-----------------------------------|----------------------|------------------------|
| Appearance | Reddish brown liquid | Internal TC, p.4.2 |
| pH at 20°C | 8,5 ÷ 8,9 | Internal TC, p.4.4 |
| Density at 20°C, kg/l | 1,170 ÷ 1,200 | GOST 18329-73 method 2 |
| Solid content (0,6g /2h/130°C), % | 51 ÷ 53 | Internal TC, p.4.3 |
| Water dilutability at 20°C, g/g | ≥ 20 | Internal TC, p.4.5 |
| Storage stability at 20°C, days | 21 | - |
| Free formaldehyde content, % | ≤ 11 | ISO 9397-97, titration |
| Free phenol content, % | ≤ 0,6 | ISO 8974-02 |

Form of delivery

Product is delivered in tank trucks.

Storage conditions

Primere 72 6446M can be stored in stainless steel tanks. Zinc or aluminium tanks are not suitable for storage of phenolic resins.

Storage stability at 20°C is about 3 weeks. In lower temperatures the shelf life is higher.

Recommendation: storage temperature should be about 10 – 20°C.

General recommendations and additional information

The gelation time of Primere 72 6446M is about 3 min. When added the recommended amount of urea (24-26%), gelation time increases.

Free formaldehyde of Primere 72 6446M is less than 11%. The addition of optimal urea amount brings free formaldehyde to a level of about 0,3 – 0,5%.

Safety precautions

Phenol formaldehyde resins may sensitize some people. The resins contains small amount of free formaldehyde to which some people are oversensitive. The product also contains free phenol. Allergic persons should avoid places where the product is used. The concentration of formaldehyde in the air should be maintained under maximum allowed value by adequate ventilation. When handling the resin, wear protective clothing including gloves, masks or goggles. In case of contact with skin, eyes or clothing, flush area with plenty of water. Additional information is given in the Material Safety Data Sheet.

For further technical information, please contact Technical Service.

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