



BURNT RESISTANT MATERIALS AND COATINGS

Description:

The research subject of the proposal is obtaining of burnt resistant silicon material, which is used in bread paste preparation, cooling and bread and cakes bake in the temperature range - 40°C...+260°C and at +315°C during short time.

Innovative Aspect and Main Advantages:

The research aim of the proposal is obtaining of fair-proof material on the basis of siliconorganic polymers and it use in bake of bread products.

The new fair-proof polymer material on the basis of silicon-organic polymers has been developed. This material is characterized by burnt-proof and anti-adhesion (to metal forms) properties.

This material:

1. Ensures more than 2000 time bakes;
2. Excepts the burnt and sticking processes to hot metal surface;
3. Improves the product form;
4. Decreases the necessity in the prophylactic stopping of the installations;
5. It may be cleaned by wet rag;
6. During exploitation it needs not any additive processing and gives the possibility to bake without grease;
7. Creates the economy of foods (meal, animal and vegetable grease);
8. Ensures the best quality of bread product bake.

The realization of the innovation proposal will be lead to big winning. Suggested innovative idea can bring profit as soon as it starts working and an amount of profit depends on the production size

Areas of Application

The consumers of this innovation will bake houses, manufacture of the bread and its products.

Stage of development:

Samples are already made in small quantities.

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The burn resistant silicon material