

HYDROCARBON RESIN HCR-105

The present technical conditions apply to HYDROCARBON RESIN HCR-105, which is the result of the thermopolymerization of hydrocarbon fraction C9 and the benzene rectification of boiler remains.

Hydrocarbon resin HCR-105 is used:

in metallurgy as a component for the manufacture of high-quality form-mixtures with the high content of glittering carbon, which makes possible to get iron and non-ferrous castings with a high smoothness of surface, low surface tension and cracks' formation, good casting's separation from the form-mixture;

in road building as an effective structureforming compound for the manufacture of road asphalt mixtures,

in industry as a component of high-astringent materials for the manufacture of cell concretes, polishing pastes, in manufacture of floor's coverings, for the issue of special varnishes and colours.

Quality characteristics of goods

Property	Norm	Test method
1. Appearance	Granules not sticking together in monolithic weight, a plate thickness up to 3 mm which are not containing extraneous impurity	Visual
2. Softening point, °C	95-115	ISO 4625 GOST 11506-73
3. Ash, max. %	0,5	ISO 6245 GOST 7846-73
4. Water, max. %	0,4	ISO 3733 GOST 2477-65
5. Sulfur, max. %	Not standardized*	ISO 6528-1 GOST 28644
6. Content of glittering carbon, min. %	55	VDG-MERKBLATT P 85, 1980 VEREIN DEUTSCHER GIESSEREIFACHLEUTE, Düsseldorf
7. Content of benzo(a)pyrene mg/kg, max.	50	BPY CHMS, EKK

Note: not standardized before the setting of statistics.

The petropolymeric pitch is packed in BIG BAGS with net weight of 1000+-30 kg or the PE-bags with weight of 25 kg.