

## Hopper car for transportation of mineral fertilizers, model 19-9835-01



### Description

New generation hopper-car of model 19-9835-01 is equipped with the bogie with an axle load of 25 tf.

The freight car loading capacity up to 76.7 t and body volume to 101 m<sup>3</sup> make it possible to carry a wide range of mineral fertilizers. The use of a special two-component coating effectively protects the body against the aggressive cargo exposure. Extended between-repairs run time providing for a twofold decrease in the cost of the rail car life cycle, creates a significant competitive edge of the freight car of model 19-9835-01.

Designed by: All-Union Research and Development Centre for Transportation Technology LLC.



### Specifications

Technical specification	Model 19-9870
Payload capacity, t	76.7
Body space, m <sup>3</sup>	101
Tare weight, t	22.8
Height from rail top level, mm	4,764
Number of loading/unloading hatches, pcs	4/6
Unloading mechanism	Lever-screw mechanism
Number of locking and sealing devices, pcs	2
Gabarit as per GOST 9238-2013	1-T
Bogie model	18-9855
Estimated static load from the wheel set on rails, kN (tf)	245.25 (25)
Service life, years	32
Regulatory overhaul period, up to mln km (years)	1 (8)

#### Cargoes

Cargo	OOH code cargo
<b>Potassium chloride (potassium chloride)</b>	43403
<b>Apatite concentrate (apatite)</b>	43103
<b>Urea (urea artificial)</b>	43304
<b>Concentrate mineral "sylvite"</b>	43108
<b>Ammophos</b>	43602
<b>Ammonium nitrate</b>	43307
<b>Fertilizers chemical and mineral sorts, not specified in the alphabet</b>	43619
<b>Sodium carbonate (soda ash)</b>	48215
<b>Clay</b>	15106
<b>Ammonium sulfate</b>	43302
<b>Ammophos</b>	43604
<b>Concentrate nephele</b>	24213
<b>NPK</b>	43612
<b>Quicklime</b>	23311
Other cargoes	O/R