

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.

Owing to its increased load capacity of 76.7 t and body volume of 101 m³, the railcar can be used to carry a broad range of mineral fertilizers. This car is especially efficient in transporting heavy materials with a high bulk density.

A special two-compound coating is used to safely protect the car body's interior from hazardous materials it carries. The 19-9835-01 car has increased maintenance intervals, which represents an important competitive advantage, as it reduces the railcar's lifecycle cost almost three-fold.

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

Producer: Tikhvin Freight Car Building Plant, JSC.



Specifications

Technical specification	Model 19-9835-01
Payload capacity, t	76.7
Body space, m ³	101
Tare weight, t	22.8±0.5
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)
Service life, years	32
Regulatory overhaul period, up to mln km (years)	1 (8)

Cargoes

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