

# $[-CH_2-CHCl-]_n$

## Suspension polyvinylchloride (PVC-S)

### Technical properties:

GOST, TU, STO	GOST 14332-78		TU 2212-186-00203312-98	STO 00203312-006-2012	
Mark	S-5868PJ		S-6359M	S-6669PJ	S-70U
	Top grade	First grade			
Appearance	White consistent powder				
Amount of impurities and foreign objects, ea., maximum	10	20	6	6	6
Number of "fish eye" transparent points on 0.1 cm <sup>3</sup> of film, ea., maximum	3	20	2	6	2
Value K	58-60		63-65	66-68	70-72
Bulk density, g/cm <sup>3</sup>	0.50-0.60		0.45-0.55	0.56±0.02	0.43-0.53
Residue after sieving on a sieve with mesh:					
No. 0315, %, maximum	Not rated	Not rated	0.5	Absence	Absence
No. 0063, %, minimum	90	85	90	95	80
Flowability, s, maximum	14	Not rated	16	Not rated	20
Plasticizer saturation mass, g per 100 g of PVC, minimum	17	15	18	20	24
Thermal stability, at 160°C, min., minimum	10	10	10	20	20
Mass fraction of moisture and volatile substances, %, maximum	0.3	0.5	0.3	0.3	0.3
Volume resistivity at 20 °C after keeping in distilled water for 2 h., Ohm*cm, minimum	Not rated	Not rated	Not rated	5*10 <sup>13</sup>	6*10 <sup>13</sup>
Mass fraction of the vinyl chloride, mln <sup>-1</sup> , maximum	5	10	10	1	10

### Application

**S-5868PJ** Film and big size polymeric containers for packing food and consumer goods.

**S-6359M** Plasticized semi-rigid items of common use (linoleum, artificial leather, plasticized films) and sheets of special purpose.

**S-6669PJ** Window and door profiles, siding

**S-70U** Plasticized items like light and thermal resistant cable compounds, medical compounds, film materials, artificial leather, high strength pipes.

### Packing and Transportation

PVC-S is packed in 25 kg paper bags, 500 kg, 550 kg and 1,000 kg one-time big size bags, transported by railway transport in covered cars and road transport.

### Guaranteed shelf life

Guaranteed shelf life – 1 year after the manufacture date. In conditions of long storage – 5 years from the manufacture date.

### Certification

There is a Compliance Certificate for the product.

### Safety requirements

In terms of level of effect on organism, PVC-S pertains to the 3rd class of hazard.