

Cable PVC compounds



Technical properties:

STO	STO 00203312-011-2011	
Mark	NGP-M-PE 30-30	NGP-M-PO 30-35
Appearance	Granules of natural color	Granules of black or other color (on agreement with the Consumer)
Flammability by oxygen index, %, minimum	30	35
Smoke-developed index (Dm):		
– burning, m ² /kg, maximum	400	400
– glowing, m ² /kg, maximum	400	400
Counting amount of hydrohalic acids, mg/g, maximum	150	140
Brittleness temperature, °C, maximum	Minus 30	Minus 30
Volume resistivity at (20±2) °C, Ohm×cm, minimum	5×10 ¹³	5×10 ¹¹
Volume resistivity at (70±2) °C, Ohm×cm, minimum	1×10 ¹¹	—
Breaking strength, MPa (kgf/cm ²), minimum	15	11
Elongation at fracture, MPa, minimum	250	250
Mass loss at a temperature of (160±2) °C for 6 hours, %, maximum	2	2
Aging at a temperature of (100±2) °C for 7 days		
– Retention of elongation at fracture, %, minimum	80	80
– Strength retention, %, minimum	80	80
Shore A hardness, standard unit, minimum	80	86
Water saturation, %, maximum	0.25	0.4
Density, g/cm ³ , maximum	1.52	1.61

APPLICATION. NGP-M-PE 30-30, NGP-M-PO 30-35 are designed for manufacture of items operated in regions with climatic conditions and placement categories defined in the regulatory documentation for certain items, in conditions when high fire safety requirements are raised: flame retardance when cables are laid in bunches, low emission of smoke and combustion products, low toxicity (nuclear power plants, thermal and hydro power plants, subways, ships, high-rise buildings, industrial structures, storage facilities, crowded places, etc.).

E-40-13A, FORMULATION 8/2 is designed for manufacture of insulation of wires and cables used within the temperature range from - 40 °C to + 70 °C.

O-40, FORMULATION OM-40 is designed for manufacture of protective sheaths of wires and cables used in the temperature range from - 40 °C to + 70 °C. **NGP 30-32** low flammability compound is designed for manufacture of protective sheaths of wires and cables used in the temperature range from - 30 °C to + 70 °C in conditions of increased fire hazard.

PACKING AND TRANSPORTATION. Cable PVC compounds are packed in 25 kg polypropylene bags or 715 kg one-time big size bags. They are shipped by railway transport in covered cars and containers, road transport.

GUARANTEED SHELF LIFE. Guaranteed shelf life in a closed space is 1 year from the manufacture date; in long storage conditions in normal warehouse conditions at a temperature from +5° C to +35° C, it is 3 years from the manufacture date.

1st Golutvinsky lane 6, Moscow, 119180, Russia
 Tel.: +7 (495) 532-04-40 | +7 (495) 970-00-09
 E-mail: info@td-bkh.ru | www.td-bkh.ru