

# CABLE PLASTICATES

## Technical properties:

GOST, TU	GOST 5960-72 REV 1-9				TU 6-01-1328-86		
Grade	E-40-13A	O-40 rec. OM-40	O-50	O-55	ET-105	NGP 30-32	NGP 40-32
Appearance	granules of natural color	granules of black, white or natural color	granules of black color	granules of black color	granules of natural color	granules of black color	granules of black color
Specific volume resistance at 20°C, Ohm*cm, no less than	3x10 <sup>13</sup>	1x10 <sup>10</sup>	1x10 <sup>10</sup>	1x10 <sup>10</sup>	2x10 <sup>13</sup>	3x10 <sup>11</sup>	3x10 <sup>11</sup>
Strength at rupture, MPa (kgf/cm <sup>2</sup> ), no less than	17,6 (180)	(110)	(160)	(110)	14,7(150)	14,0(140)	14,0(140)
Elongation at rupture, %, no less than	200	280	280	350	340	250	280
Brittleness temperature, °C, not higher than	-40	-40	-50	-55	-40	-30	-40
Density, g/cm <sup>3</sup> , no more than	1.28-1.32	1.4	1.25-1.31	1.18-1.25	1.21-1.27	1.5	1.5
Hardness at 20°C, MPa (kgf/cm <sup>2</sup> )	no less than 1.47(15)	no more than 0.88-1.96 (9-20)	(16)	(11.5)	no less than 1.17(12)	1.30-2.00	1.00-2.00
Hardness at 70°C, MPa (kgf/cm <sup>2</sup> )	—	no more than 0.58-1.17 (6-12)	(9)	(8)	—	no less than 0.50-1.00	no less than 0.4-1.00
Water absorption, %, no more than	0,26	0,45	0,30	0,50	0,20	—	—
Light stability at 70°C, h, no less than	1000	1500	—	—	1000	1500	2000
Combustibility: A method, c, no more than	30	30	30	30	15	—	—
Conservation of elongation at rupture after keeping at (100±2)°C during 7 days, %, no less than	—	80	80	80	—	—	—
Loss of mass at 160°C during 6 h., %, no more than	—	3,00	3,00	3,00	—	—	—
Resistance to tearing-off, kN/m (kgf/cm <sup>2</sup> ), no less than	—	39,2(40)	(55)	(35)	—	—	—
Softening temperature, °C	180±10	170±10	175±10	170±10	No less than 175	—	—
Combustibility by oxygen index, %, no less than	—	—	—	—	—	32	32

### Applications:

**E-40-13A** Designed for insulating of wire and cable sheaths operated at temperatures from -40°C up to +50°C.

**O-40 rec.OM-40** Used for production of protective sheaths for wires and cables operating at temperature range down from -60 °C up to +70°C.

**O-50** Compound with improved frost resistance for cable and wire sheath production (brittleness temperature ≤ -50°C).

**O-55** Compound with improved frost resistance for cable and wire sheath production (brittleness temperature ≤ -55°C).

**ET-105** Used for production of insulation thin-film automobile cables, and heat-resistant cable sheaths operated at temperatures from -40°C up to +105°C.

**NGP 30-32** Designed to produce protective sheath of wires and cables operated at temperature range from -30°C up to +70°C, in fire hazard conditions.

**NGP 40-32** Designed to produce protective sheath of wires and cables operated at temperature range from -40°C up to +70°C, in fire hazard conditions.

### Packing:

1. PP bags 25 kg.
2. Special containers 500-700 kg.