

Polymer-coated wire

TU¹⁾ 14-178-290-95 and TU 14-178-351-98



Application area:

The wire is intended for woven wire cloths and mesh-structures manufacture.

The wire is made from general-purpose carbon wire to GOST²⁾ 3282-74.
Coating – HDPE (high-density polyethylene) with UV-protective coating. PVC free.
Coating color – green RAL 6005.

Coating types:

- polymer only
- zinc EN 10244 class D + polymer
- zinc EN 10244 class A + polymer

Wire dimensions and mechanical properties are given in Table 9.

Wire mechanical properties

Table 9.

Wire-base	Wire-base diameter, mm	Diameter of coated wire, mm	Tolerance on diameter, mm	Tensile strength, N/mm ²	Elongation δ_{100}^* %,	Polymeric coating properties	Zinc coating surface density requirements
TU 14-178-351-98							
Annealed	2.2	3.2	+/- 0,06	340 – 540	Not less than 12	Maintains integrity when folding in loop so long as the inner diameter of a loop does not exceed the nominal wire diameter	EN 10244 class D or EN 10244 class A
	2.7	3.7	+/- 0,08				
	3,4	4.4	+/- 0,10				
TU 14-178-290-95							
Not annealed	1.8	2.5	+0.12	500–700	–	Maintains integrity when folding in loop so long as the inner diameter of a loop does not exceed the nominal wire diameter	–
	2.0	2.8					

Each rosette coil can contain up to 2 welds with no polymeric coating for a length of up to 100 mm. Welds are marked with paper.

Packing: Shipped in rosette coils:

- rosette weight 250–500 kg
 - outer diameter 800–900 mm
 - inner diameter not less than 360 mm
 - height not more than 1000 mm
- Baling bands are used in 4 points, shipping rings are possible.

¹⁾ TU = Technical Specification
²⁾ GOST = Russian State Standard