

**PRODUCT SPECIFICATIONS AND GUIDELINES**  
**Plastic Cap Roofing Nail – Electro Galvanized Ring Shank**



For Item Codes:  
 TOPTS1PC1  
 TOPTS114PC1  
 TOPTS112PC1  
 TOPTS134PC1  
 TOPTS1PCBK

**General Description**

**Terminology Standard:** ASTM F547-17

**Description of Test, Expectations or Guideline - If order received does not meet these requirements; it may result in a supplier corrective action, which could jeopardize your status as an approved vendor.**

Used for attaching vapor barrier (house wrap), foam insulating sheathing, and felt paper wood

Must be true to shape, well-finished, free from imperfections, clean and free of corrosion

Flat Head

Diamond Point

Ring Shank

Electro-Galvanized

Round plastic cap installed securely on each nail

Plastic cap must be rigid, yet sufficiently flexible to resist cracking when nail/cap assembly is fully-driven

**Product Sizing Information**

**Standard:** ASTM F1667-17

Dash Number	Length (L)	Shank (D)	Approx. count per lbs.
03	3/4" (+/- 1/32")	.105" (+/- .004")	362
04	7/8" (+/- 1/32")	.105" (+/- .004")	339
05	1" (+/- 1/32")	.105" (+/- .004")	323
07	1-1/4" (+/- 1/16")	.105" (+/- .004")	269
14	1-1/2" (+/- 1/16")	.105" (+/- .004")	219
15	1-1/2" (+/- 1/16")	.120" (+/- .004")	175
16	1-3/4" (+/- 1/16")	.105" (+/- .004")	195
17	1-3/4" (+/- 1/16")	.120" (+/- .004")	152
18	2" (+/- 1/16")	.105" (+/- .004")	169
19	2" (+/- 1/16")	.120" (+/- .004")	131
20	2-1/2" (+/- 1/16")	.105" (+/- .004")	138
21	2-1/2" (+/- 1/16")	.120" (+/- .004")	95
12	3" (+/- 3/32")	.106" (+/- .004")	118
13	3" (+/- 3/32")	.120" (+/- .004")	70

**Material Specifications**

The raw materials used for producing nails should comply with the following Bend Yield Strength.

Low to Medium Carbon Steel Nails	
Nominal Diameter, in.	Bend Yield, psi
0.099 ≤ 0.142	100,000
>0.142 ≤ 0.177	90,000
>0.177 ≤ 0.236	80,000
>0.236 ≤ 0.273	70,000
>0.273 ≤ 0.344	60,000
>0.344 ≤ 0.375	45,000

**Base Material:** Low-Carbon Steel, Medium Low-Carbon Steel or Medium High-Carbon Steel

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Specifications: 1103



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Plastic Cap Specifications: Material – High Density Polyethylene

Density – 0.94 g/cm<sup>3</sup> – 0.95 g/cm<sup>3</sup>

Heat Resistance - 121° C (160°F)

**VIRGIN RESIN REQUIRED – NO RE-GRIND, NO RECYCLED MATERIAL ALLOWED**

Plastic Cap Diameter	Plastic Cap Outside Edge Thickness	Plastic Cap Color
0.915" (23.24mm) min	0.035" (0.889mm) min	Pantone Color # 7504C

Coating: Electro Galvanizing Zinc - minimum 0.12 Mills or 3 microns

**Applicable Performance Requirements and Testing Protocol. Ongoing quality control tests shall be conducted in accordance with the following reference documents and meet any conditions specified.**

ASTM F1575-17	Standard Test Method for Determining Bending Yield Moment of Nails
ASTM F680-17	Standard Test Methods for Nails
ASTM A510/ A510M-13	Standard Specifications for General Requirements For Wire Rods and Course Round Wire, Carbon Steel
ASTM A370-17	Test Methods and Definitions for Mechanical Testing of Steel Products
ASTM F1470-12	Standard Guide for Fastener Sampling for Specified Mechanical Properties and Performance Inspection
ASTM D1761-12	Standard Test Methods for Mechanical Fasteners in Wood
ASTM A641 / A641M	Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire