

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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Plastic Cap Specifications: Material – High Density Polyethylene
Density – 0.94 g/cm³ – 0.95 g/cm³
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