

# TA 2412 CX

## Masterbatch for CX-PE Pipe

**Product Description:** TA 2412 CX masterbatch is used with Kafrit NA cross-linkable PEX-b compound TA 1117 HD to produce CX-PE pipes. TA 2412 CX is formulated to not accelerate the crosslinking rate of CX-PE pipes, which is intended to allow produced pipe to be stored for several months at ambient conditions with minimal crosslinking taking place before installation.

Pipes produced from the CX-PE compound of TA 1117 HD and TA 2412 CX may be butt fused during installation and subsequently allowed to crosslink while in service.

TA 2412 CX catalyst contains color pigments, antioxidants, and metal deactivator additives, which protect pipes from long term degradation caused by oxidation and heat.

TA 2412 CX catalyst masterbatches include UV protection (HALS and UV absorber) for weathering exposure equivalent to six months in Arizona, as tested in accordance with ASTM F2657.

**Appearance:** Cylindrical pellets

<b>Typical Properties:</b>	<b>Color</b>	<b>Density (g/cm<sup>3</sup>)</b>	<b>MFR* (g/10 min)</b>	<b>Bulk Density (g/cm<sup>3</sup>)</b>
	White	1.02	12.5	0.57

**Applications:** TA 2412 CX masterbatch is used to produce CX-PE pipe or tubing for use in oilfield and general industrial applications. TA 2412 CX is not intended for use in potable water piping systems.

**Usage:** TA 2412 CX is normally added at 5% to 95% TA 1117 HD graft polymer. This ratio ensures optimum processing conditions and application performance of the CX-PE material.

Conditioning TA 2412 CX before use by drying for 2 hours at 120 to 140° F (50 to 60°C) generally results in improved extrusion quality and is highly recommended.

**Packaging:** TA 2412 CX masterbatch is supplied in 600 kg cardboard boxes.

**Storage:** TA 2412 CX masterbatch must be stored in a cool, dry place. Storage at temperatures higher than 90° F (32°C) may diminish the performance of the masterbatch. Masterbatches are produced with volatiles, including moisture, less than 0.12%.

The shelf life of opened packages is one year, provided they are resealed. Unopened packages should not be stored longer than four years.

**Standards:** The compound of TA 2412 CX masterbatch and TA 1117 HD graft when fully crosslinked is designated a PEX 5306 material.

\* MFR (melt flow rate) is determined in accordance with ASTM D1238 at 190°C with a 2.16kg load.

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