

# TA 2400 CL series

## Red, Blue, White, Black & Natural Catalyst Masterbatches

**Product Description:** TA 2400 CL series catalyst masterbatches are used with Kafrit NA cross-linkable PEX-b compound TA 1108 HD to produce potable water tubing.

TA 2400 CL series catalyst contains color pigment and a crosslinking catalyst which will complete the Sioplas system when extruded with PEX-b compounds such as TA 1108 HD. TA 2400 CL series catalyst masterbatches also contain **antioxidant & metal deactivator additives**, which protect water pipes from long term degradation caused by oxidation, heat, and exposure to chlorine and active metal ions.

TA 2400 CL series catalyst masterbatches include **UV protection** (HALS and UV absorber) for weathering exposure of the equivalent of 6 months in Arizona, as tested in accordance with ASTM F2657.

**Appearance:** Cylindrical pellets.

Typical Properties of Available Grades:	Color	Trade Name	Density g/cm <sup>3</sup>	MFR* g/10 min	Bulk Density g/cm <sup>3</sup>
	Red	TA 2410 CL	0.982	12.0	0.55
	Blue	TA 2411 CL	0.993	14.5	0.55
	White	TA 2412 CL	1.025	14.0	0.56
	Black	TA 2417 CL	1.012	12.5	0.55
	Red (multilayer)	TA 2418 CL	0.993	15.0	0.54
	White (multilayer)	TA 2419 CL	1.180	19.5	0.65
	Natural	TA 2420 CL	0.975	13.0	0.55

**Applications:** TA 2400 CL series catalyst masterbatches are used in the Sioplas process to produce PEX-b tubing for potable water systems connected with metal or plastic fittings.

**Addition levels:** These catalyst masterbatches are normally added at 5.0% to 95.0% graft polymer. This ratio ensures optimum processing conditions and application performance of the crosslinked PEX material.

**Packaging:** TA 2400 CL series catalyst masterbatches are supplied in 600 kg cardboard boxes.

**Storage:** TA 2400 CL series catalyst masterbatches must be stored in a cool, dry place. Storage at temperatures higher than 25°C may diminish the performance of the masterbatches. Catalyst masterbatches are produced with volatiles including moisture less than 0.15%.

Shelf life on opened packages is one year provided they are resealed airtight. Unopened packages should not be stored longer than four years.

**Standards:** Pipe produced with TA 2400 CL catalysts satisfies the requirements of ANSI/NSF standard 14 and standard 61. TA 2400 CL series catalysts when used with TA 1108 HD graft are designated PEX 5306 materials.

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