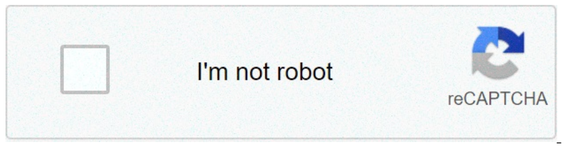

Continue

Best way to thaw frozen pvc pipes

"PEX" redirects here. For other uses, see PEX (disambiguation). A crosslinked polyethylene (PEX) cross-linked pipe, commonly abbreviated PEX, XPE or XLPE, is a form of polyethylene with cross-links. It is used predominantly in the construction of service piping systems, hydrocous radiant heating and piping systems, domestic water, and cooling isolation for high voltage (high voltage) , Electric cables. He is also used for the natural gas and applications of offshore petroleum, chemical transport, and sewage and sludge. PEX is an alternative to polyvinyl chloride (PVC), chlorinated polyvinyl chloride (CPVC) or copper piping for use as residential water tubes. Resistance properties to the impact at low temperature, resistance to abrasion and resistance to breakage under environmental tension can be increased significantly by cross-linking, while hardness and rigidity are a little reduced. In comparison with thermoplastic polyethylene, PEX does not melt (analogue to elastane) and is thermally resistant (for long periods of up to 120 ° C, during short periods without clearing element or mechanical to 250 ° C). With increasing cross-linking density, maxims also increases shearing module (even at higher temperatures). [1] [2] Pex has significantly improved properties in comparison with common pe. [3] Reticulation improves the temperature properties of the base polymer. Suitable resistance at 120 150 ° C is maintained and improved chemical stability, resisting dissolving. [Citation required] Low temperature properties are improved. To the impact and resistance to traction, resistance to scratches, and resistance to frail rupture are reinforced. Almost all pex used for tube and tubing is made of high density polyethylene (HDPE). PEX contains crosslinked connections in the polymer structure, changing the thermoplastic to a thermoset. The cross-linking is performed during or after the tube extrusion. The necessary reticulation degree, according to ASTM F876, is between 65% and 89%. A greater degree of crosslinking can result in fragility and tension of material rupture, while a lower degree of crosslinking can result in products with poor fansical properties. An extreme extreme degree of cross-linking is reached if only a swims are placed in grid, which also are a Ch2Â ¢ bridges and if formula sum of the polymer structure is (C3H4) N, then the structure is a diamond with all the connections substituted by a Ch2Â ¢ bridges. If 4 vages of a cube C is placed where lozenge-based carbon loops are so that only one more lyrics diamond base in the interior C then connections of base 4 are in diamond C andã, because the bonds of connection are forced to these mesh values that also here a crystalline crystalline diamond is already approachedÂ ¢ If the carbon articles of these by ch2 ¢ bridges are placed in lines that are orthogonal are diamond and parallel base connections and c faces. Almost all reticulating polyethylene compounds â € ®