Comparison of SANSO PPR-C with U-PVC Plumbing System

Sr No.	Parameter	U.P.V.C	Sanso PPR-C	Conclusion
1.	Heating Temp	Up to 60°C	Up to 90°C	More reliable with heating and geezer systems.
2.	Joint system	Solvent welding	Poly Fusion Welding	Solvent welding can't provide HOMOGENEOUS jointing and due to hot and cold water cycle (Which is natural in Indian climate) there are chances of leakage in joints on the other hand SANSO ensuring 100% leak proof joints.
3.	Food grade	Solvent isn't hygienic	Fully hygienic	Due to the usage of solvent U-PVC doesn't remain hygienic
4.	Hot & Cold Water Cycle	Not compatible with hot water	Fully compatible with both hot & cold water	U-PVC plumbing system isn't successful with mixture system in bathroom.
5.	Primary softening point	80°C	230°C	SANSO is more reliable with Centralized heating system then U-PVC.
6.	Crack Propagation	High & also brittle in nature	Very low and typical elastic in nature	SANSO is unbreakable and most suitable for cold areas
7.	Installation time	Plumber has to wait for one joint to dry before he starts for another joint. At least 24 hrs. need for line commissioning	With in few minute joint become complete. Few minute require for line commissioning	With SANSO, We save extensive time of the project and site become ready for next level as line laying job got completed.
8.	Chemical Resistance	Resistant but not at high temperatures	Excellent chemical resistance also at high temperatures	SANSO Pipes are suitable for transportation of aggressive fluids at high temperatures thus can be used for industrial purpose.
9.	Density	1.43 gm/cm^3	0.899 gm/cm^3	Density value of SANSO is very low and that makes lower burden on building and also becomes easier to transport & install the pipe line.
10.	Max Water Absorption (%)	0.15 %	0.03 %	Sanso plumbing lines save water
11.	Eco friendly	High percentage of chlorine & toxic gases are generated in case of fire or recycling	On fire Sanso pipes & fittings emits carbon dioxide and water.	SANSO plumbing system is more eco friendly. Even if the fire is incomplete, the materials emitted are less poisonous than wood.

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