MATERIAL CHARACTERISTICS

	PVC (Polyvinyl chloride)	PPh (Homopolymer polypropylene)	PPs (Retardantly flammable homopolymer polypropylene	PPs-EL (Polypropylene copolymer) Electro conductive	HDPE (High density polyethylene)	PVDF (Polyvinylidene fluoride)
Operating temperature	0°C to +50°C	0°C to +80°C	0°C to +100°C	0°C to +80°C	-50°C to +70°C	-30°C to +140°C
Density g/cm3	1.42	0.91	0.95	1.13	0.95	1.78
Electrical insulation	Excellent	Excellent	Excellent	None	Excellent	Excellent
Behavior in fire	M1 French Standards	B2 German Standards	B1 German Standards	V0 German Standards	B2 German Standards	V0 German Standards
Chemical resistance (Ask for the chemical resistance sheet)	Acids, Bases and certain solvents	Acids, bases, salts in aqueous solution	Acids, bases, salts in aqueous solution	Acids, bases, salts in aqueous solution	Acids, bases, salts in aqueous solution	Acids, bases, salts in aqueous solution, chloride, gasoline
Chromic Acid Resistance	Good with risk of cracking on the welds	Bad	Bad	bad	OK if diluted	Very good
Impact resistance	Weak at low temperature	Good	Good	Good	Excellent	Average
Physiological safety	No	Yes	No	No	Yes	Yes
Different colors, depending on pipes and fittings	GREY RAL 7011 White	Beige RAL 7032	GREY RAL 7037	Black	Black	Natural
UV resistance	Very weak	Weak	Good	Good	Good	Good
Assembly methods	Bonding up to Ø 250mm, beyond by welding	Welding	Welding	Welding	Welding	Welding
Cold forming	difficult	Good	Good	Good	Good	Good