



Materials Data Grid

Material	Colour	Texture	Nail Test	Floats on water	Flammability	Joining	Density (g/cm3)
PVC-U	Dark Grey	Shiny Smooth	No	No	In flame carbonises, extinguishes away from flame	Solvent cement: Tangit/Dytex	1.38
PVC-C	Light Grey	Shiny Smooth	No	No	In flame carbonises, extinguishes away from flame	Solvent cement: Tangit/Dytex	1.5
ABS	Mid Grey	Shiny Smooth	No	No	Bright flame and drips, continues to burn away from flame	Solvent cement: Tangit	1.03
PE	Black	Waxy	Yes	Yes	Bright flame and drips, continues to burn away from flame	Heat Fusion: Butt, socket & electro fusion, compression	0.95
PROGEF PP Standard	Light Beige	Waxy	Slight	Yes	Bright flame and drips, continues to burn away from flame	Heat Fusion: Butt fusion, Socket fusion & IR	0.91
PROGEF PP Natural	Brownly - Opaque	Waxy	Slight	Yes	Bright flame and drips, continues to burn away from flame	Heat Fusion: Butt fusion, BCF & IR	0.91
SYGFE PVDF Plus & Standard	White - Opaque	Shiny Smooth	No	No	In flame carbonises, extinguishes away from flame	Heat Fusion: Butt fusion, BCF & IR	1.78
PB (INSTAFLEX; iFIT)	Grey	Smooth	Slight	Yes	Continues to burn away from flame	Heat Fusion: Butt, socket & electro fusion, compression	0.94
Multilayer pipe (iFIT)	White	Smooth	No	Yes	Normal flammable	Push fit	0.94
PP-R (AQUASYSTEM)	Light brown	Smooth	Slight	Yes	Bright flame and drips, continues to burn away from flame	Heat fusion: Socket & electro fusion	0.905

