

Systems & Materials

System	Material	Colour	Flammability	Joining	Density (g/cm ³)
ABS	ABS	Mid Grey	Bright flame, drips, continues to burn away from flame	Solvent cement	1.03
AQUASYSTEM	PP-R	Light brown Green/Grey	Bright flame, drips, continues to burn away from flame	Butt, socket&electro fusion	0.90
Harvel Blazemaster	PVC-C	Orange	In flame carbonises, extinguishes away from flame	Solvent cement&mechanical	1.55
CONTAIN-IT Plus	PE100&PVC-U Containment pipe/inside variable	Black/Grey/Transparent	Bright flame, drips, continues to burn away from flame	Depending on material	-
CONTAIN-IT	PVC-U/inside variable	Transparent	In flame carbonises, extinguishes away from flame	Solvent cementing	-
COOL-FIT ABS Plus	ABS/PUR/PE	Black	Bright flame, drips, continues to burn away from flame	Solvent cementing	-
COOL-FIT PE Plus	PE/PUR/PE	Black	Bright flame, drips, continues to burn away from flame	Electro fusion	-
Double-See	PVC-U&PVC-C (Containment)	Transparent	In flame carbonises, extinguishes away from flame	Solvent cement	1.4-1.52
ecoFIT	PE100&PE80	Black	Bright flame, drips, continues to burn away from flame	Butt, socket, IR&electrofusion	0.93-0.95
ELGEF Plus	PE	Black	Bright flame, drips, continues to burn away from flame	Electro fusion	-
FUSEAL	PP-NFR	Grey/Blue	In flame carbonises, extinguishes away from flame	Electro fusion	0.9
FUSEAL 25/50	PVDF	Blue	In flame carbonises, extinguishes away from flame	Electro fusion	1.78
iFIT	PB, ML, PEX	White	Normal flammable	Push fit	0.94
INSTAFLEX	PB	Grey	Continues to burn away from flame	Butt, socket&electro fusion, compression	0.94
MULTI/JOINT	GGG45/NBR or EPDM	Red/Black	Metal, non-flammable	Mechanical joints	-
PRIMOFIT	Malleable cast iron	Black/Galvanised	Metal, non-flammable	Mechanical joints	-
PROGEF Natural	PP-R	Transparent	Bright flame, drips, continues to burn away from flame	Butt, BCF&IR	0.90
PROGEF Standard	PP-H&PP-R	Light Beige	Bright flame, drips, continues to burn away from flame	Butt, socket fusion&IR	0.90
PROGEF Plus	PP-H&PP-R	Light Beige	Bright flame, drips, continues to burn away from flame	Butt, socket fusion&IR	0.90
PVC-C	PVC-C	Light Grey	In flame carbonises, extinguishes away from flame	Solvent cement	1.5
PVC-U	PVC-U	Dark Grey	In flame carbonises, extinguishes away from flame	Solvent cement	1.38
PVC-U clear	PVC-U	Transparent	In flame carbonises, extinguishes away from flame	Butt fusion, Socket fusion	1.38
SANIPEX MT	PE-x/Al/PE-x	Black	In flame carbonises, extinguishes away from flame	Mechanical joints	0.905
SeaCor	PVC-C	Dark Grey	In flame carbonises, extinguishes away from flame	Solvent cement	1.38
SYGEF Plus	PVDF HP (High purity)	White - Opaque	In flame carbonises, extinguishes away from flame	Butt fusion, BCF&IR	1.78
SYGEF Standard	PVDF	White - Opaque	In flame carbonises, extinguishes away from flame	Butt, socket fusion, BCF&IR	1.78
Harvel Shapes **	PVC/CPVC - PP/HDPE	Various/Custom	In flame carbonises, extinguishes away from flame	Generally N/A-semi finished shape for machining	-

System	Nominal Pressure (PN)
ABS - BS inch	PN15 (Class E 3/8 - 4")
	PN12 (Class D 6")
	PN9 (Class C 1 - 8")
	PN12 (Class 7T 1/2 - 2")
ABS - Metric	PN10 (d20 - d225)
	PN6 (d250 - d315)
AQUASYSTEM	PN20
Harvel Blazemaster	PN depending on size (1/2 - 3") Schedule System
CONTAIN-IT Plus	PN depending on material
CONTAIN-IT	PN3 Schedule System
COOL-FIT ABS Plus	PN10 (d25 - d225)
COOL-FIT ABS Plus	PN6 (d250 - d315)
COOL-FIT PE Plus	PN10 (d250 - d450)
Double-See	PN4
ecoFIT	PN16 (d20 - d630)
	PN10 (d50 - d630)
ELGEF	PN16 (d20 - d1000)
	PN10 (d160 - d2000)
FUSEAL	PN depending on size (1 1/2 - 18")
FUSEAL 25/50	PN depending on size (1 1/2 - 6")
iFIT	PN10
INSTAFLEX	PN16 (up to d110; PN10 d125 - d225)
MULTI/JOINT	PN16 (restraint)
	PN25 (non restraint)
PRIMOFIT	PN16
PROGEF Natural	PN10 (d20 - d63)
	PN6 (d75 - d110)
PROGEF Standard	PN10 (d16 - d500)
	PN6 (d50 - d500)
PROGEF Plus	PN10 (d20 - d315)
	PN16 (d16 - d160)
PVC-C Metric	PN10 (d75 - d225)
PVC-C SCH80/40	PN depending on size (1/4 - 24")
PVC-U BS INCH	PN16 (Class E 3/8 - 6")
	PN12 (Class D 1/4 - 4")
PVC-U SCH80/40	PN9 (Class C 2 - 8")
	PN12 (Class 7T 3/8 - 2")
PVC-U Metric	PN depending on size (1/8 - 24")
	PN16 (d6 - d160)
PVC-U clear SCH80/40	PN10 (d25 - d315)
SANIPEX MT	PN6 (d50 - d400)
SeaCor	PN depending on size (1/2 - 6")
SYGEF	PN16 (d16 - d225)
Plus&Standard	PN10 (d90 - d450)
Harvel Shapes **	N/A-solid rods/tubes/profiles-semi-finished, optimal machining

System	Operating Temperature	Dimension	Benefit
ABS	-50° C to +60° C (d250 - d315 oper. temp +40° C)	d16 - d315, 3/8 - 8 inch	Excellent for cold water and chilled applications
AQUASYSTEM	0° C to +95° C	d20 - d125	Excellent temperature - pressure behaviour
Harvel Blazemaster	0° C to +80° C	3/4 - 3"	Fire Sprinkler system
CONTAIN-IT Plus	-40° C to +140° C	d50/20 - d315/225	Safely conveying hazardous media with process reliability
CONTAIN-IT	-0° C to +60° C (outer)	4 + 6" outer	Safely conveying hazardous media with process reliability
COOL-FIT ABS Plus	-50° C to +40° C	d25 - d315	Three-in-One system, excellent properties
COOL-FIT PE Plus	-50° C to +50° C	d250 - d450	Three-in-One system, excellent properties
Double-See	0° C to +60° C	1 1/2 - 10"	Safety system to transport hazardous media
ecoFIT	-50° C to +60° C	d20 - d630 *	UV&weather resistance, flexible and strong at low temperature
ELGEF Plus	-50° C to +60° C	d20 - d2000	Leak free welded system
FUSEAL	0° C to +100° C	1 1/2 - 18"	Resistant to alkalis, alcohols, acids, solvents and salt solutions
FUSEAL 25/50	0° C to +140° C	1 1/2 - 6"	Resistant to alkalis, alcohols, acids, solvents and salt solutions
iFIT	0° C to +95° C	d16 - d32	Easy jointing, for all building services applications
INSTAFLEX	-10° C to +95° C	d16 - d225	Hot and cold water sanitary system, compressed air
MULTI/JOINT	-5° C to +50° C	d50 - d2000	Connection to all types of pipes
PRIMOFIT	-20° C to +105° C	3/8 - 4 inch/d20-d63	Corrosion retarding, drinking water friendly
PROGEF Natural	0° C to +80° C	d20 - d110	Pigment free polypropylene with smooth surface
PROGEF Standard	0° C to +80° C	d16 - d500	High stress fracture-, pressure-, abrasion-, corrosion resistance
PROGEF Plus	0° C to +80° C	d20 - d315	Silicon-free or oil-free system with a high pureness factor
PVC-C	0° C to +80° C	d16 - d225, 1/4 - 24 inch	Chemical and higher temperature resistant
PVC-U	0° C to +60° C	d6 - d400, 1/8 - 24 inch	Easy and fast to joint, very good chemical resistance
PVC-U clear	0° C to +60° C	1/4 - 12"	Visual monitoring of Process
SANIPEX MT	0° C to +95° C	d16 - d63	Hot and cold water system, hygienically perfect
SeaCor	0° C to +80° C	1/2 - 6"	USA coast guard approved piping
SYGEF Plus&Standard	-20° C to +140° C	d16 - d450	High purity, outstanding chemical resistance, UV-resistant
Harvel Shapes **	0° C to +80° C	1/4 - 12" (up to 22" PP/HDPE)	Semi-finished rod/tube/profiles, optimal for machining, excellent chemical & corrosion resistance

inch - metric ranges (mm)
(Pipe Sizes nearest equivalent)

inch	3/8	1/2	3/4	1 1/4	1 1/2	2 1/2	3	4	4	5	6	6	8	8	10	10	12	14	16	18	20	24	
d	16	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500
DN	10	15	20	25	32	40	50	65	80	100	100	125	150	150	200	200	250	250	300	350	400	450	500

d = mm
* For more information about larger dimensions please contact our local sales companies. Visit our website for more detail system information: www.gfps.com
** Detail Harvel Shapes Information: www.harvelshapes.com