



Unpigmented Polypropylene Piping System



characteristics

- Low specific weight
- High operating temperature
- High creep strength
- High heat aging stability
- Good weldability
- High chemical resistance
- High abrasion resistance
- Good elasticity
- Low frictional resistance
- Usable on food applications

applications

- USP purified water systems
- Deionized water systems
- RO water systems
- Electronics industry chemical distribution systems
- Photographic chemical processing
- Food industry
- Biotechnology process piping
- Semiconductor manufacturing drain systems
- Universities
- Hospitals

temperature range

- -20 to 90°C (-4 to 194°F)

fusion methods



Unpigmented Polypropylene (UPP) is produced from high-purity virgin random copolymer (PP-R) made up of 94% propylene with 6% ethylene conforming to ASTM D 4101 and DIN 16774 resulting in an extremely pure product. U-PP shows excellent purity levels when tested in standard static leach tests (better than High-purity PVC) and has a superior surface quality (Ra = 0.4 to 1.5 µm), making it ideal for high-purity systems.

UPP complies with the various food regulations (FDA, OENORM B 5014 Part 1, BGA, KTW guidelines) and USP Class VI.

UPP is not UV resistant.

Permissible Operating Pressures

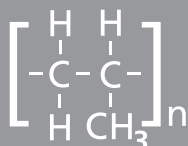
Operating Temperature		Operating Period Years	SDR 11 PN 10 psi
°C	°F		
10	50	50	170
20	68	50	150
30	86	50	122
40	104	50	116
50	122	50	96
60	140	50	86
70	158	50	56
80	176	25	43
90	194	10	36
95	203	10	30

UPP

FDA USP
US Pharmacopeia Class VI

PRODUCT RANGE (ODmm)¹

PIPE:	20 – 110
BUTT FUSION FITTINGS:	20 – 110
SOCKET FUSION FITTINGS:	20 – 63
ACCESSORIES (FLANGES):	20 – 110



Unpigmented Polypropylene

¹Range varies depending on specific fitting. See price list for details.