

## Manufacturer Declaration

### SYGEF Select – Pipe Specification

<b>Material</b>	Polyvinylidene fluoride (PVDF)
Colour	Opaque
Density	~1.78 g/cm <sup>3</sup> (ISO 1183 / ASTM D 792)
Surface tension	30 – 35 mJ/m <sup>2</sup>
Thermal expansion coefficient	0.12 – 0.18 mm/mK (DIN 53752)
E-modulus	≥1800 N/mm <sup>2</sup> (EN ISO 527 / ASTM D 790)
Thermal conductivity	0.19 W/mK (EN12664)
<b>Dimension</b>	d16 (3/8") – d315 (12") in accordance to ISO 10931
<b>Pressure rating</b>	Pipes: PN16 (d16 – d315), PN10 (d90 – d315)
<b>Temperature rating</b>	From -20 °C to +140 °C (-4 °F to +284 °F)
<b>Production</b>	Pipes: extruded
<b>Surface finish</b>	Inner surface Ra ≤ 0.5 µm (20 µin)
<b>Marking</b>	All components are embossed with a permanent identification during the production process to ensure full traceability. Lot No Material Dimension Pressure Rating
<b>Testing and inspection</b> (ISO 10931)	Inclusions Visual inspection Surface finish Dimension tolerance Pressure testing
<b>Welding technology</b>	BCF Plus, bead and crevice free fusion, size d20 (1/2") – d110 (4") IR Plus, infrared fusion (DVS 2207-6), size d20 (1/2") – d315 (12") Butt fusion (DVS 2207-15), size d20 (1/2") – d315 (12") Socket fusion (DVS 2207-15), size d16 (3/8") – d63 (2")
<b>Packing</b>	Multiple components single bagged in specified bag
<b>Labeling</b>	Brand Name Product Description Code Number Material Dimension
<b>Main applications</b>	Uses include delivery of chemicals, hot & cold-water incl. steam sanitization.

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