

## Typical physical properties of the following ARPRO grades\*:

- ARPRO White (ARPRO 3115, ARPRO 3122, ARPRO 3133, ARPRO 3150 and ARPRO 3180)
- ARPRO Grey (ARPRO 4133)
- ARPRO Colours (ARPRO 1133 Blueberry, ARPRO 1133 Dragon Fruit, ARPRO 1133 Orange, ARPRO 1133 Lemon and ARPRO 1133 Lime)

Property	Test	Unit	Density (g/l)					
			20	30	40	50	60	80
Compressive strength	ISO 844	kPa						
• 25% strain			80	150	210	275	340	500
• 50% strain			150	220	300	370	475	700
• 75% strain			370	460	600	800	1,000	1,600
Compression set	ISO 1856 C**	%	12.5	12	11.5	11.5	11.5	11
Tensile strength	ISO 1798	kPa	300	430	550	670	760	950
Tensile elongation	ISO 1798	%	22	21	19	18	17	15

\* For ARPRO Black & On-site expansion properties please refer to the “typical physical properties of ARPRO Black & On-site expansion” and for ARPRO Porous and ARPRO Application specific properties refer to ARPRO grade sheet.

\*\* At 25% strain for 22 hours at 23°C and measured after stabilisation for 24 hours



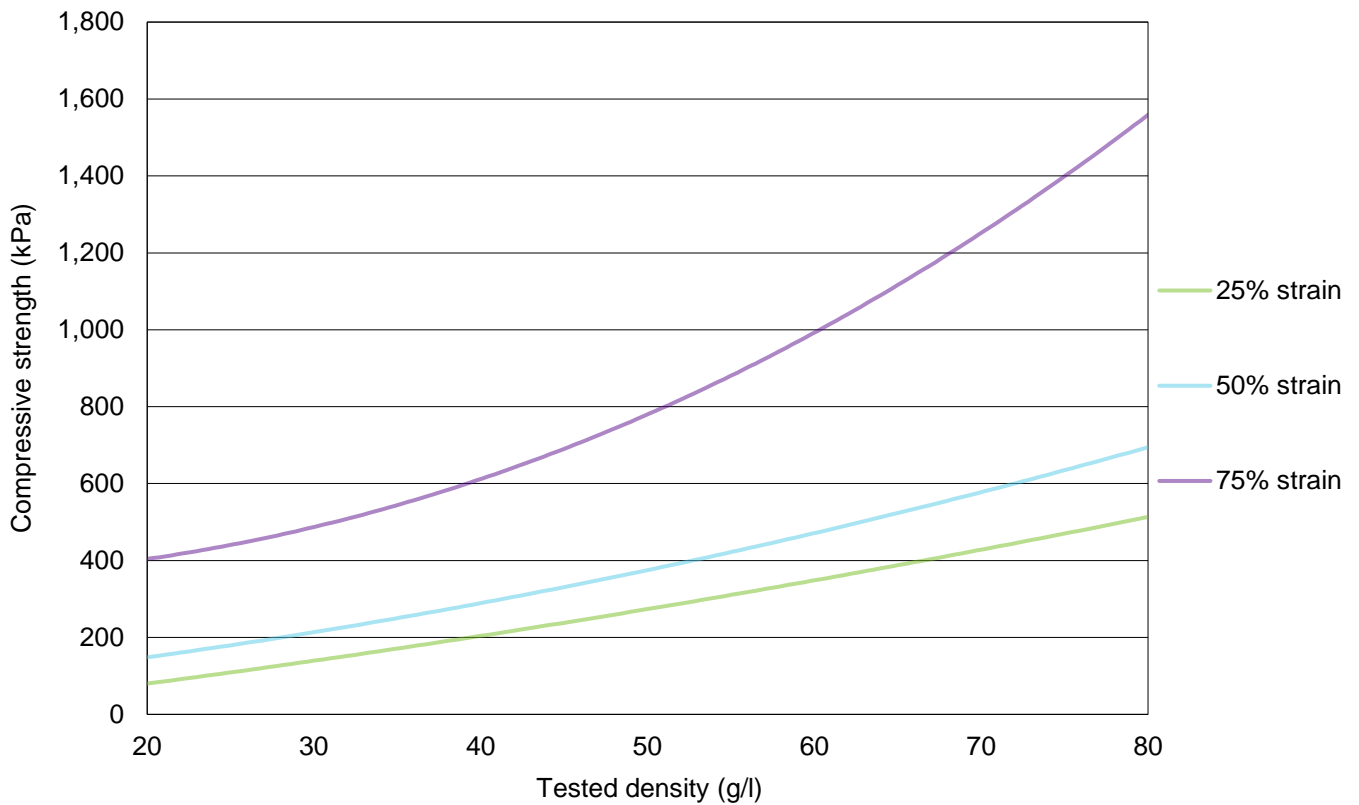
# Typical physical properties of additional ARPRO grades

**Compressive strength:** The ability of a material to resist forces that attempt to compress it.

**Test method:** ISO 844

Five 50mm cubes are compressed at a rate of 5mm/min, to a maximum of 85% compression. The compressive stress and corresponding relative deformation are recorded.

Compressive strength - ISO 844



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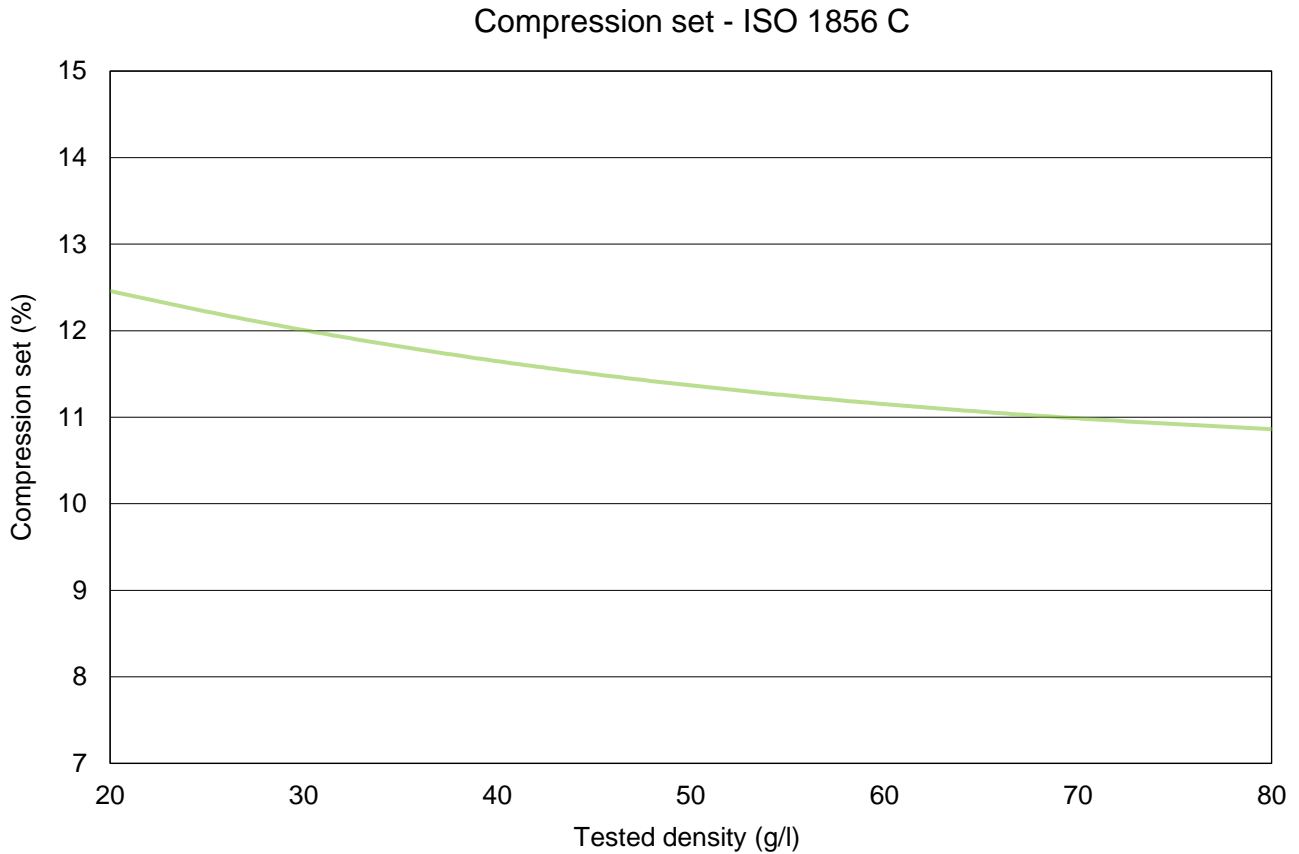


# Typical physical properties of additional ARPRO grades

**Compression set:** The ability to go back to original thickness after static deformation.

**Test method:** ISO 1856 C

Five 50 x 50 x 25mm samples are maintained for 22 hours at 23°C under 25% strain. The effect on the thickness 24 hours after the release is recorded.



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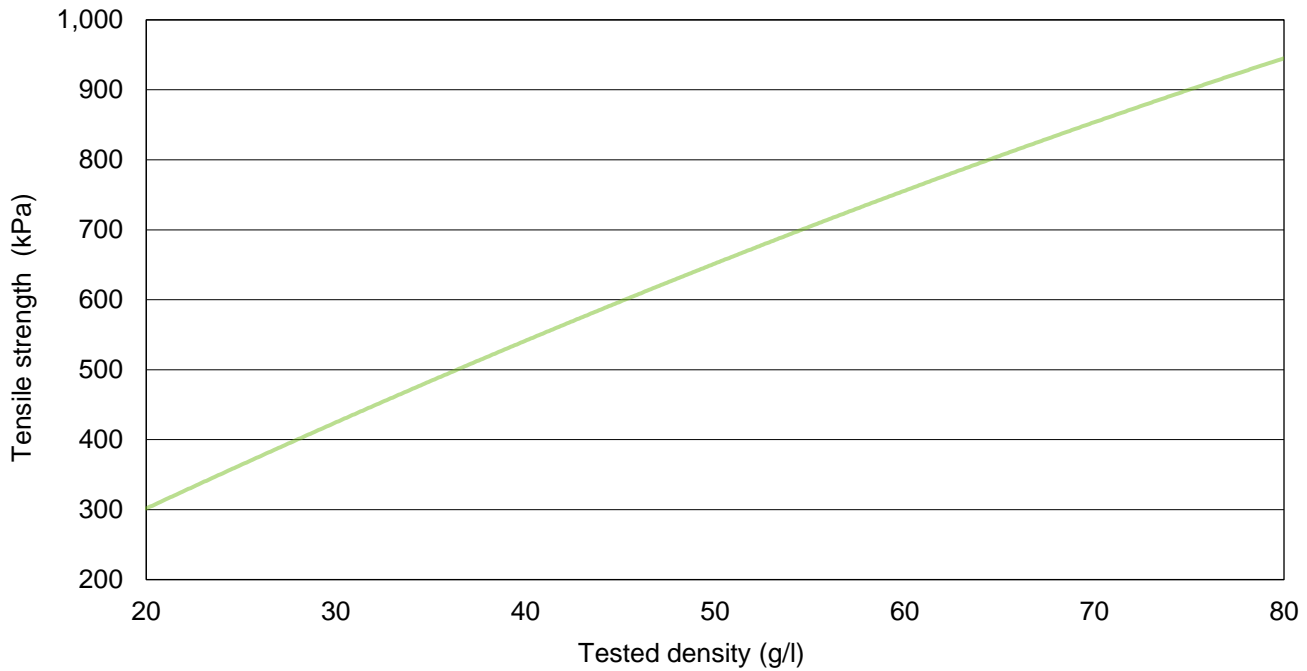
# Typical physical properties of additional ARPRO grades

**Tensile strength & elongation:** The maximum strength and elongation that a material can withstand while being stretched or pulled before failing.

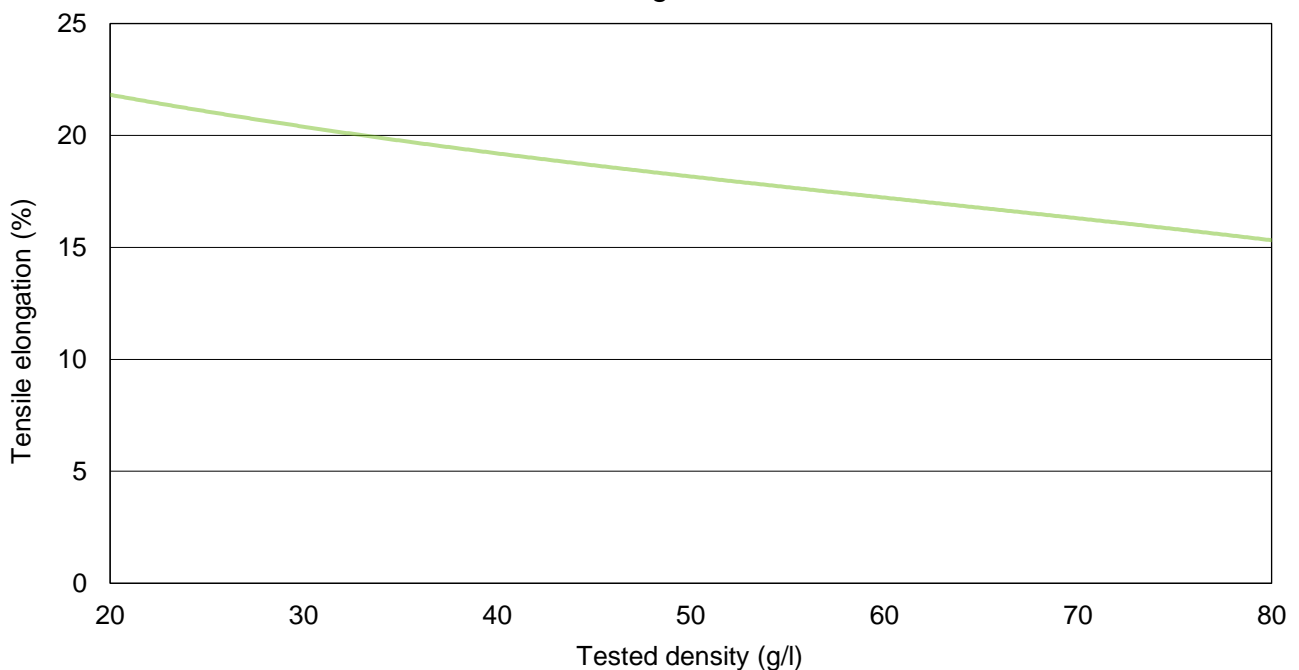
**Test method:** ISO 1798

Five 12.5mm thick test pieces (dumbbell shape) are extended at a constant rate of 500mm/min until they break. The strength & deformation at the break point are recorded.

Tensile strength - ISO 1798



Tensile elongation - ISO 1798



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