



FORGEWAY
GLUE WITH HIGH IQ



ForgeWay



Formoa



Colours



Technical Data Sheet: FORMOA 010

Product Description

Formoa 010 is a single-component Hybrid Polymer sealant that can be colour-matched to any colour required. It has low viscosity and high UV stability.

Key Features

- Silicone and solvent free
- High bond strength
- High UV performance
- Excellent adhesion
- High performance mechanical properties
- Anti-pick properties
- Straightforward application
- No bubble formation within sealant
- Primerless adhesion
- Very easy to tool and finish
- Good extrudability
- Minimal health and safety considerations
- Resistance to many chemicals
- No staining of porous materials such as natural stone, granite, marble, etc
- No odour



Applications

- Internal/external sealing and bonding applications in the automotive, mass transportation, commercial vehicle, caravan, marine, rail and aerospace industries
- Sealing where a tough / flexible, anti-pick joint is required
- Bonding of interior / exterior mouldings and sheet material

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Technical Characteristics

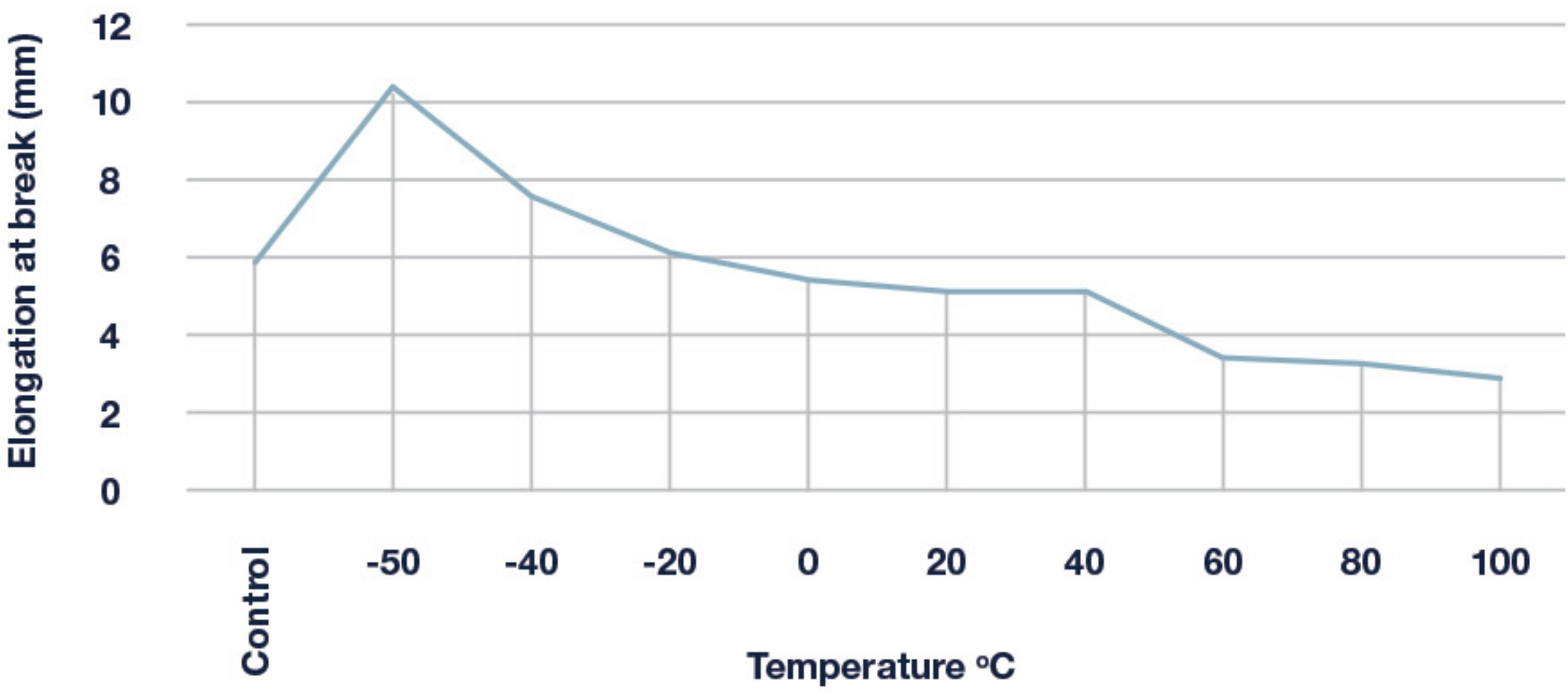
Formoa 010

Properties	Formoa 010
Base Material	Hybrid Polymer
Consistency	Stable Paste
Curing System	Moisture
Through Cure Rate (mm/24hrs)	3.5
Density (g/ml)	1.38
Elasticity Modulus at 100% (N/mm2) ISO 37	1.2
Elongation at Break (%) ISO 37	>350
Tensile Strength (N/mm2) ISO 37	>2.7
Max Open Time (mins)	55 mins
Shear Strength (N/mm2) ASTM D1002 - rate 6mm/min	>2
Shore A Hardness ±5	55
Skin Over Time (mins)	16 mins
Viscosity C&P @ 0.6s (Pa.s)	1800
Volume Alteration (%)	<1
Colour Stability UV Exposure ASTM G154 (CIElab- AE)	<1

(*) These values may vary depending on environmental factors, such as: temperature, moisture and type of substrates.

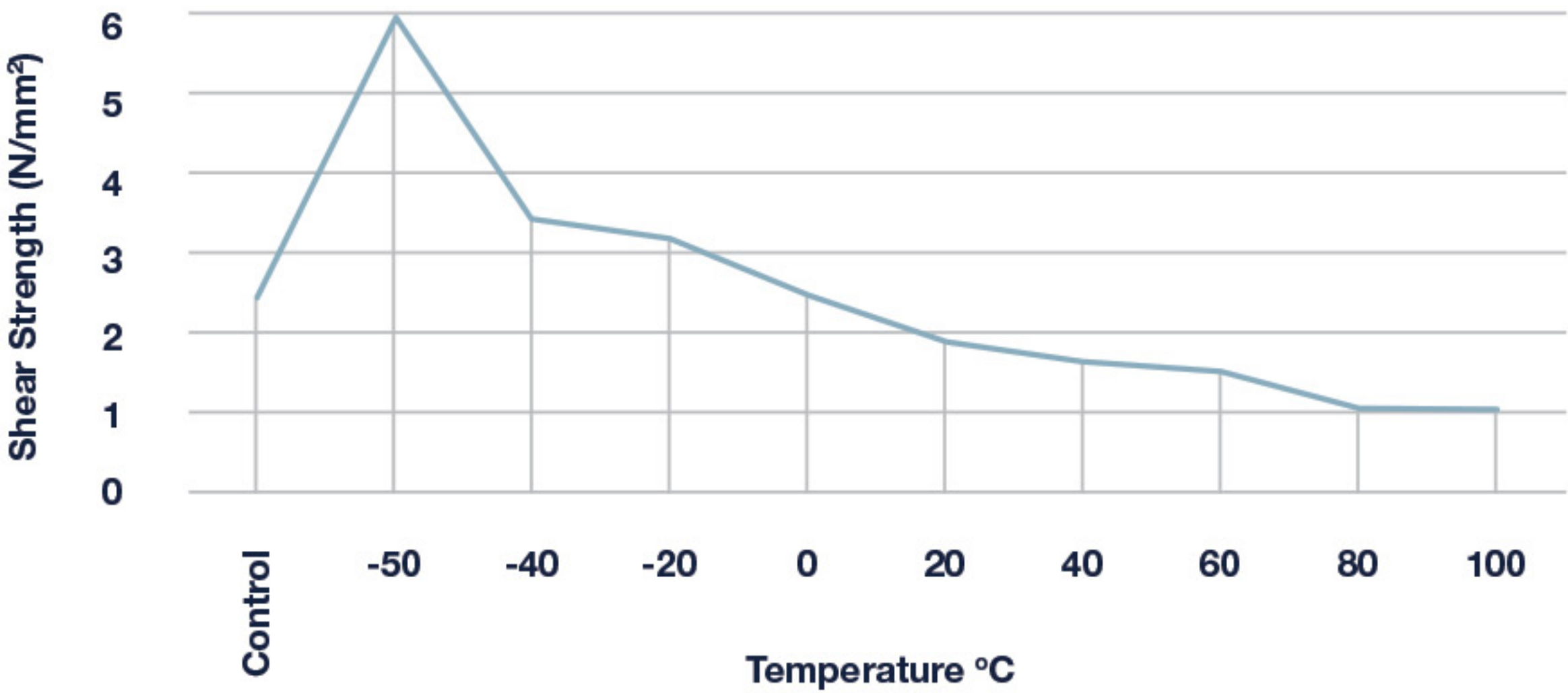
Elongation at break

(ASTM D1002)
25mm Overlapped Joint



Temperature Resistance

(ASTM D1002)



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Colours

Can be matched to any colour



Shelf Life

18 months in unopened packaging, in a cool and dry storage place at temperatures between +5°C and +25°C

Application Instructions

Method	Manual or pneumatic applicator.
Application Temp	+1°C until +30°C
Cleaning	White Spirit or Formoa® Surface Cleaner immediately after application and before curing
Tooling	Soapy solution before skin formation
Repair with	Repair with Formoa® 010.

Volumes Available.

Cartridge

290ml

200L

on request

Resistance to Chemicals

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.

Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons.

Remarks, Disclaimer & Health and Safety

Disclaimer - The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written recommendation or any other type of suggestion offered. Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by ForgeWay, of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end user.

Health and safety - Refer to Safety Data Sheet (SDS) for further information. Apply the usual industrial hygiene.

Reviewed January 2021