

Technical description – Solid Surface

Our Solid Surface parts are made of alumina trihydroxide and polyester granules, all bonded with polyester resin ISO NPG (Isophthalic Neo Pentyl Glycol).

- Flexural strength (ISO standard 178): minimum 38 MPa
- Elongation at break (ISO standard 178): 0.44 to 0.57%
- Flexural modulus (ISO standard 178): 8,500 to 10,100 MPa
- Compressive strength: minimum 110 MPa
- Resistance to shocks: No break at a drop height of 2.2 m of a 1 kg ball
- Gelocity: non-freezing
- Density: 1.7 to 1.8 kg/dm³
- Absorption of water at room temperature: < 0.5%
- Absorption of water at 65°C: < 0.5%
- Chemical resistance
 - Acids 10%: Good
 - Bases 10%: Good
 - Non-concentrated chemical agents: Good

Serious degradation observed in the presence of methylene chloride (dichloromethane)

- Reaction to fire:
 - The reaction to fire test (Standard NF P 92-501) classifies our product in the category: M2
 - The fire behaviour test, with regard to measurement of the specific optical density of smoke, (Standard NF X 07-100) classifies our product in the category: F0
- Higher heating value (Standard NF En ISO 05-010): 12.414 MJ/kg
- Slip resistance (Standard XP P 05-010): PN 24 (depending on the surface treatment)

