

# PA 2200 - very fine multi-functional polyamide

## Properties and Applications

- Good mechanical properties, biocompatible with ISO 10993-1, certified for use with food (except high alcoholic foodstuff), high detail resolution, high long-term constant behaviour, parts withstand high-temperature painting and metal coating.
- Parts in design quality, functional parts, vacuum casting pattern, end products, spare parts.



Vacuum cleaner Volta Bolido  
16-piece fully functional parts with all mechanical properties like the series part.

## Essential material properties

### General material data

Average grain size:	60 µm
Bulk density:	0.435 - 0.445 g/ cm <sup>3</sup>
Density of laser- sintered parts*:	0.9 - 0.95 g/cm <sup>3</sup>

### Mechanical properties

Tensile modulus:	1700 ± 150 N/mm <sup>2</sup>
Tensile strength:	45 ± 3 N/mm <sup>2</sup>
Elongation at break:	20 ± 5 %
Ball indent. hardness:	77.6 ± 2 N/mm <sup>2</sup>

### Thermal properties

Melting point:	172 - 180 °C
----------------	--------------

\* EOS-method



Steering wheel  
Physically identically with series parts. Tests with different design variations.

NOTE: EOS GmbH e-Manufacturing Solutions  
Detailed specifications may be found at <http://www.eos.info/en/products/materials.html>

[www.advancedmanufacturing.com.au](http://www.advancedmanufacturing.com.au)

BRESEIGHTGROUP

  
**ADVANCED**<sup>TM</sup>  
MANUFACTURING  
SERVICES