

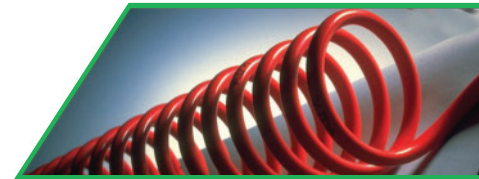
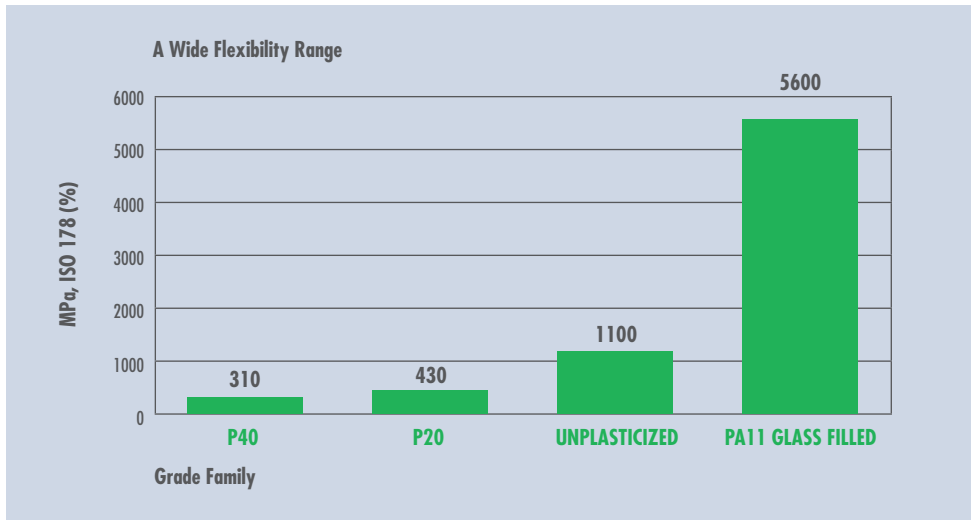


## Biobased polyamide 11 resins

Produced from a renewable source, Rilsan® PA11 is used in a large number of industries such as automotive & transportation, oil & gas, pneumatics, aerospace and many others.

### VERSATILE RANGE

Arkema offers a wide range of Rilsan® PA11 grades that span from rigid, glass-filled injection molding grades to flexible, plasticized extrusion grades. This allows for the high-performance polymer of 100% renewable origin to be utilized in a wide variety of applications.



### BENEFITS

- Chemical resistance
- Flexibility
- Lightweight
- Impact resistance
- Abrasion resistance
- Ageing resistance
- Temperature resistance
- Burst strength
- Low permeation
- Low moisture uptake
- Easy processing

### APPLICATIONS

#### Automotive & Transportation

- Fuel & clutch lines
- Air brake tubing
- Fluid transfer lines
- Quick connectors & fasteners

#### Oil & Gas

- Gas pipes & fittings
- Flexible umbilicals & cables
- Umbilical hoses
- Flexible flow-lines, risers and liners

#### Pneumatics

- Pneumatic hoses, air lines
- Hydraulic hoses

#### Aerospace

- Electric cable sheathing
- Hydraulic hoses
- Battery casings
- Hoses & ducts

### OTHER APPLICATIONS

- Electrical & Electronics
- Wire & Cable
- Sports
- Medical
- Food packaging



Bio-sourced Mechanical Strength Chemical Resistance

# RILSAN® PA11 GENERAL PROPERTIES

Grade Family	Intended Processing	Designation	Flexural Modulus MPa, ISO 178	Tensile Modulus MPa, ISO 527	Charpy Impact @ 23°C kJ/m², ISO 179
P40	Extrusion	PA0343	310	345	No break
P20	Extrusion	PA0341	430	510	No break
Unplasticized	Extrusion	PA0322	1100	1280	11
Unplasticized	Injection molding	PA0322	1140	1320	9
Glass filled	Injection molding	PA0322 G30	5600	7300	24

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