



## Polymers for Inhalers/Breathing Masks

Rilsan® Clear G170 MED and Rilsan® Clear G850 Rnew® MED

**The best combination of transparency, flexibility and lightness.**

Are you selecting polymers for medical applications?

Arkema's Rilsan® Clear G170 MED and Rilsan® Clear G850 Rnew® MED may be your best suited polymers on the market. In fact, Rilsan® Clear polymers are often specified in the design of inhalers and breathing masks.

More transparent than glass and with a flexibility that beats polycarbonate, Arkema Rilsan® Clear polymers are the right choice.

### Key Properties

#### Transparent

Light transmittance of 91% exceeding that of glass and polycarbonate

#### Flexibility

Flexural modulus of 1,980 MPa (287,000 psi), representing a 18% improvement in flexibility compared to polycarbonate

#### Light

Specific gravity of 1.05, Rilsan® Clear MED is about 15% lighter than traditional transparent medical plastics, such as acrylics or polycarbonates or PSU

#### Durable

High temperature resistance [ $T_g=168^{\circ}\text{C}$  ( $334^{\circ}\text{F}$ )], good surface and wear resistance, good chemical resistance

### Medical Use

- Certifications
  - USP Class VI
  - ISO 10993-4
  - ISO 10993-5
- Sterilisation feasibility
- BPA and plasticizer free



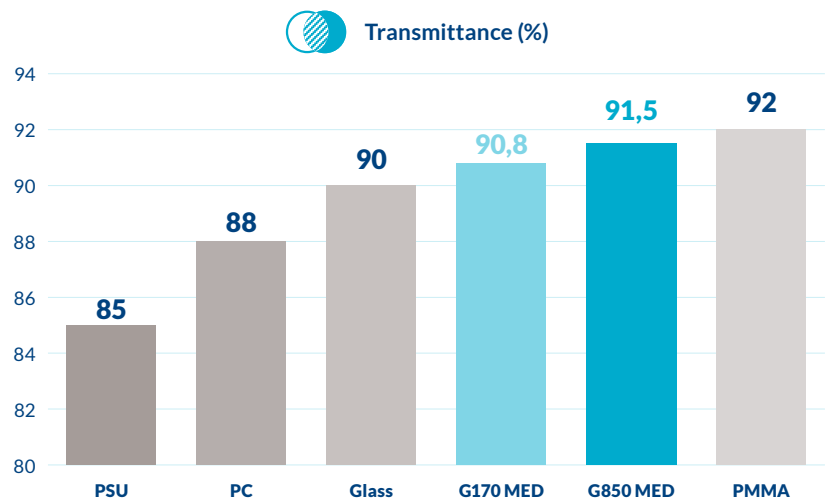
MEDICAL &  
HEALTHCARE  
**POLYMER  
SOLUTIONS**

**ARKEMA**  
INNOVATIVE CHEMISTRY

## KEY SET OF PROPERTIES

-  Transparent
-  Chemical resistance
-  Lightweight
-  Fatigue resistance
-  Flexible
-  High temperature performance
-  Bio-based (G850 MED) & BPA-free
-  Re-grind recyclable

## THE MATERIAL OF CHOICE WHEN HIGH TRANSPARENCY IS REQUIRED



## About NCC

NCC Medical & healthcare polymer solutions distributes Arkema polymers in Ireland. Founded in 1969, NCC is a leading raw material and sourcing specialist. Supplying a comprehensive range of materials and ingredients to the life science, polymers, food and industrial sectors.

With over 50 years of experience, NCC's excellent track record and in-house experts ensure that clients receive consistently compliant products, solutions and services that have full supply chain traceability and meet the highest global standards.

Certified to ISO 9001: 2015, Repak and the Responsible Care Programs including Good Trade and Distribution Practice (GTDP). NCC is an SQAS assessed company and a regular recipient of industry awards including being a Deloitte Best Managed Company since 2014.



**We find NCC to be a very reliable and flexible supply partner that consistently goes the extra mile for our business**



## For further information contact

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