

## Data Sheet

### Dexnyl® rPI-s 50µ Powder-42

reprocessed powder of natural, thermosetting polyimide

#### Product Description

- **Particle Size 50µ**
- Heat Resistance Additive / Modifier
- Up to 300°C (Heat Resistance)
- Excellent oil, acid and solvent resistance (Chemical Resistance)

#### Recommended Applications

- For the Glass Container Industry parts
- PTFE compounding (as filler)

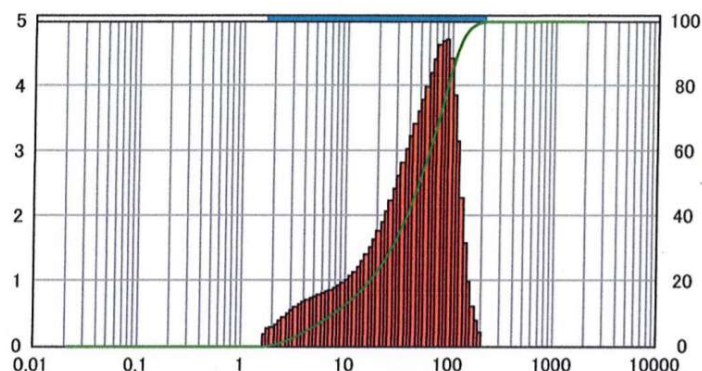
#### Advantages:

- Higher Wear Resistance
- Lower Oil Absorption
- Low Thermal Conductivity



Properties	Units	Dexnyl™ rPI-s50µ
Izod Impact ASTM D-256 (Not heat aged at 15°C/100hr)	J/m	30
Oil Absorption (24 hr soak)	% wt chg	0.11
Wear (oscillating at 315°C/25 hr)	% wt loss	0.9
Thermal Conductivity at 50°C	W/mk	1

#### Particle Size Distribution:



Distributed by

**BIEGLO GmbH**  
Bahrenfelder Straße 242  
22765 Hamburg  
+49 40 4011 30000  
[info@bieglo.com](mailto:info@bieglo.com)  
[www.bieglo.com](http://www.bieglo.com)  
[www.polyimide-shop.de](http://www.polyimide-shop.de)

The specified values are established from average values of several tests and they correspond to our today's knowledge. They are only to be used as information about our products and as help for the material selection. With these values, we do not ensure specific properties, or the suitability for certain application. No warranty, representation, guarantee or legally binding product description is provided by publishing this informational data.

For information about divergent properties do not hesitate to contact us. On request we advise you regarding the most appropriate component design and the definition of material specifications more suitable to your application data. Notwithstanding, the customer bears all the responsibility for the thorough examination of suitability, efficiency, efficacy and safety of the chosen products in pharmaceutical applications, medical devices or other end uses. Status: June 2019