



**HYOSUNG CHEMICAL**

## POKETONE in Centralizer/Sucker Rod Guide

**Non Toxic**  
**High Efficiency**



*Acrylate Free*  
*Melamine Free*  
*Bisphenol A Free*  
*Formaldehyde Free*  
*Lead/ Chrome/ Free*  
*Phthalate Free*

### Global Warming Potential

* PA6	6.70	
* PA66	6.40	
* PBT	4.88	
* PC	3.40	
* POM	3.20	
** PK	3.08	(kg CO <sub>2</sub> eq)

\* Other ETP data is based upon the Eco-profiles data from [www.plasticseurope.org](http://www.plasticseurope.org)

\*\* PK Data is based upon Korea LCI database and Ecoinvent database.

Further Information  
[www.poketone.com](http://www.poketone.com)

**POKETONE**<sup>TM</sup>  
HYOSUNG POLYKETONE

■ **POKETONE** is a family of semi-crystalline aliphatic Polyketone, made of CO and olefins

- Low water absorption and high chemical resistance
- Good wear/abrasion resistance and NVH(Noise, Vibration, Harshness) performance
- Balanced properties: tensile strength, impact strength and elongation
- Short cycle time for injection molding

## ■ **POKETONE In Centralizer/Sucker Rod Guide Industry**

- POKETONE is used in Centralizer/Sucker Rod Guide industry that requires Chemical and Corrosion Resistance, Mechanical stability, High-Temperature Stability. Thanks to its balanced properties, POKETONE can cover a variety of Centralizer/Sucker Rod Guide Industry.



### ▶ **PK in Centralizer Industry**

**1) Sucker Rod Guide** (Commercialized in America\_Black Mamma Corporation)

-PK grade: M730R, M630R

## ■ **POKETONE is TOUGH ENOUGH for Centralizer/Sucker Rod Guide Industry**

- 1) **Chemical Resistance:** PK exhibits excellent resistance to a wide range of chemicals, including harsh acids, alkalis, and hydrocarbons
- 2) **High-Temperature Stability:** PK can withstand elevated temperatures without significant degradation
- 3) **Mechanical Strength:** PK offers high mechanical strength and toughness, providing resistance to impact, wear, and fatigue.
- 4) **Corrosion Resistance:** PK's resistance to corrosion helps prevent damage to components in the presence of corrosive substances

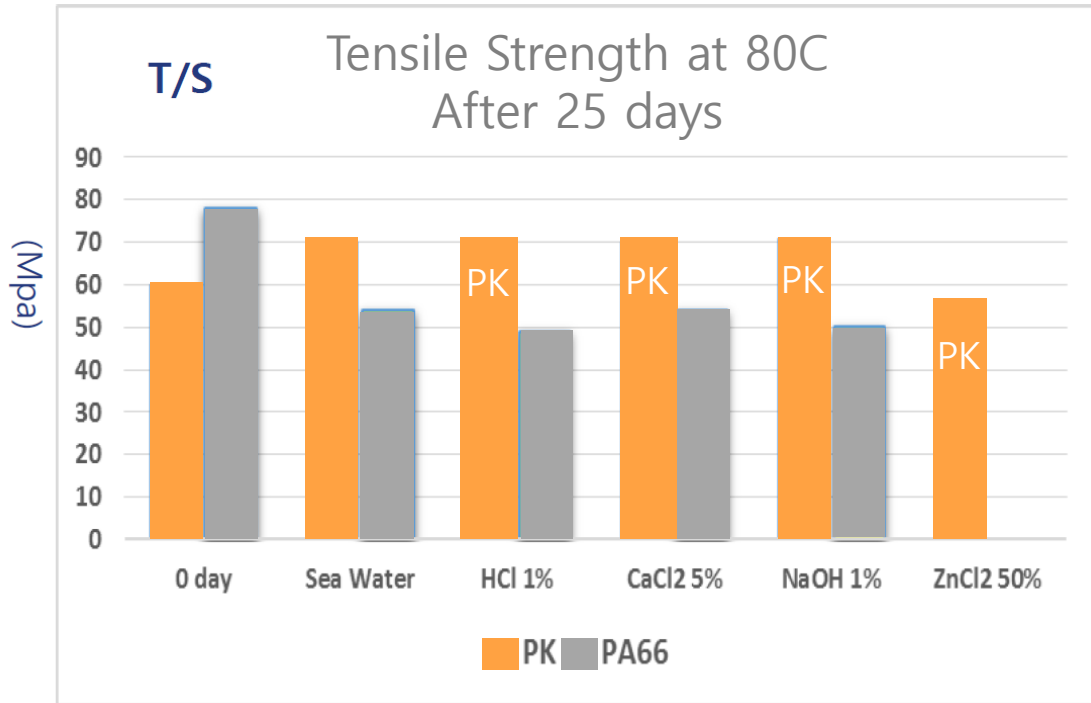
**POKETONE has good Chemical and Heat Resistance**

**\*\*PK exhibits excellent resistance to a wide range of chemicals**

**C**  
Chemical  
Resistance

**H**  
Heat  
Resistance

against  
PA66

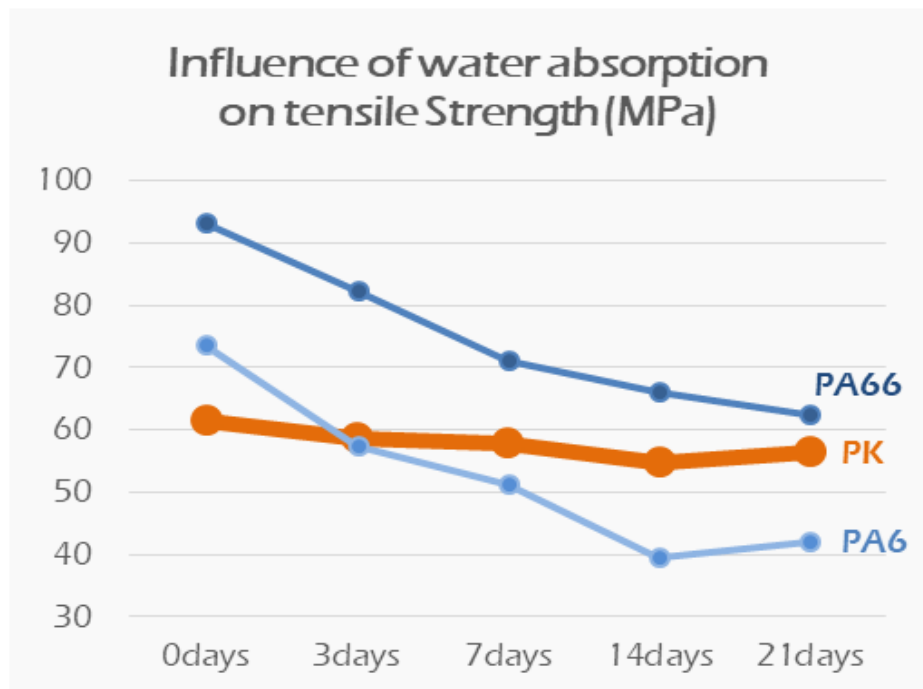


**POKETONE has good Corrosion Resistance**

**\*\*PK's resistance to corrosion helps prevent damage to components in the presence of corrosive substances**

**W**  
Water  
Resistance

against  
PA66

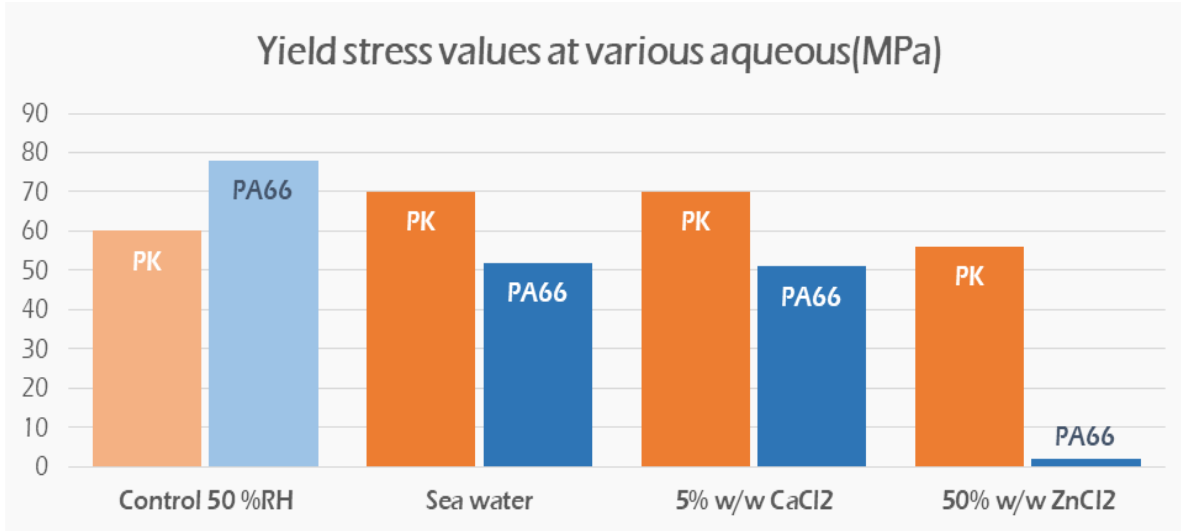


## POKETONE has good Mechanical Strength

### \*\*PK offers high mechanical strength

**C**  
Chemical  
Resistance

against  
PA66



## Certifications and Approvals



## Eco-friendly material

GWP	**PK	*ABS	*POM	*PC	*PA66	*PA6
Figure	3.08	3.10	3.20	3.40	6.40	6.70

- POKETONE™ is eco-friendly with low Global Warming Potential. (lower than PA66, POM)
- POKETONE™ is non-toxic: no VOCs (Volatile Organic Compounds), free of formaldehyde, heavy metal and acrylonitrile
- Perfect for baby toys, food contact and medical applications. All F grades of POKETONE are satisfied with FDA, NSF 51,61, and USP Class VI.





· Excellent Wear Resistance · Low Noise · Low abrasion loss (no particle) · Excellent chemical resistance

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**Further Information**  
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