

**HYDRO SEALING TECHNOLOGY SDN BHD** (426172-P)

( Sales Tax ID No : J31-1808-21018370 )

No.5, Jalan Tiong Emas 4, Kawasan Perindustrian Tiong Nam,  
81100, Johor Bahru, Johor, Malaysia.

Tel : 07 - 3620022

Fax : 07 - 350 7319

Email : sales@hydro.com.my

Website : www.hydro.com.my

**HYDRO**  
House of Seals

## Material Safety Data Sheet

# RUBBER - POM

### General Information

POM is a polyacetal-copolymer, commonly known as Acetal. POM is one of the most important engineering plastics with excellent mechanical properties, low water-absorption, high wear resistance, high dimensional stability and good chemical resistance. POM is used in mineral oils, water based fire resistant pressure fluids (HFA, HFB, HFC) and is suitable for applications in contact with foodstuff.

### Physical Properties

Colour :			white
Hardness at 20° :	DIN 53505	Shore D	85
Density :	DIN 53479	g/cm <sup>3</sup>	1.41
Tensile Strength :	DIN 53504	N/mm <sup>2</sup>	>65
Elongation at break :	DIN 53504	%	>40
Modulus of elasticity test:	DIN 53457	N/mm <sup>2</sup>	2760
Coefficient of friction (dyn) :	ASTM D1894	μ	<0.25
Water absorption to saturation :	ASTM D570	%	<0.9
Water absorption in 24h :	ASTM D570	%	<0.2
Compr. Strength at 1% deform. :	ASTM D695	N/mm <sup>2</sup>	100
Min. service temperature :		°C	-60
Max. service temperature :		°C	+100

### Remark

All test methods and values mentioned above are corresponding to ASTM or DIN standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.