

# PROCHIM GP

Elastomero a base olefinica

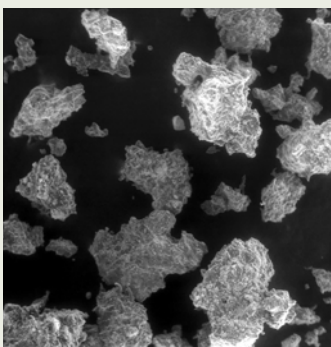
Olefinic-based elastomer

Polimero innovativo in polvere con un'elevata capacità di smorzamento vibrazioni e rumore specificatamente sviluppato per il settore delle pastiglie freno che si può usare senza preparare premescole e senza usare agenti vulcanizzanti.

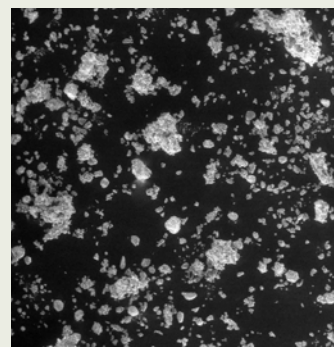
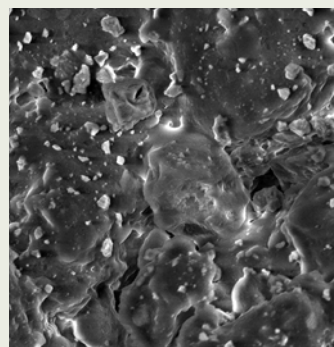
An innovative polymer in powder with high damping capacity of both vibration and noise which has been developed and tailored to the brake pad field and can be used without pre-mixes and vulcanizing agents.

## PROPRIETÀ CHIMICO FISICHE CHEMICAL AND PHYSICAL PROPERTIES

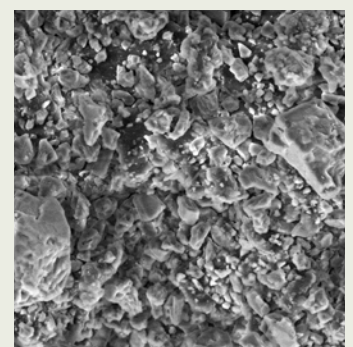
	GP01	GP05
Descrizione <i>Description</i>	Vergin polymer	Compound
Viscosità Mooney <i>Mooney viscosity</i> ML (1+4) 125°C	50 - 75 MU	
Granulometria <i>Particle size</i>	<1200 µm 100%	<1000 µm 100%
Materiali volatili <i>Volatile matters</i>	< 0.5%	< 1%
Agente anti-impaccante <i>Anti-packaging agent</i>	Max 3%	
Densità <i>Density</i>	0.86 g/cm <sup>3</sup>	1.18 g/cm <sup>3</sup>
Aspetto / Colore <i>Aspect / Colour</i>	Polvere grossolana di colore biancastro <i>Dirty white coarse powder</i>	Polvere grossolana di colore grigio <i>Dirty grey coarse powder</i>



PROCHIM GP01



PROCHIM GP05



# UTILIZZI E VANTAGGI

# USES AND ADVANTAGES

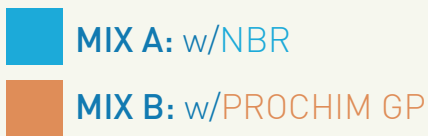
Prochim GP in comparazione alla gomma NBR:

- » Aumenta la compressibilità mantenendo bassi i valori di rigonfiamento a caldo
- » Migliora il fading e le prestazioni ad alta temperatura
- » Bassa usura
- » Riduzione della rumorosità e smorzamento delle vibrazioni

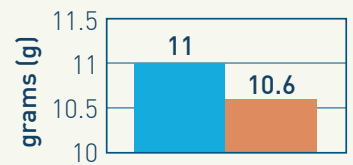
Prochim GP compared to NBR rubber:

- » Increases cold compressibility keeping low values of swelling
- » Improves fading and performances at high temperature
- » Low wear
- » Reduces noise and improves damping

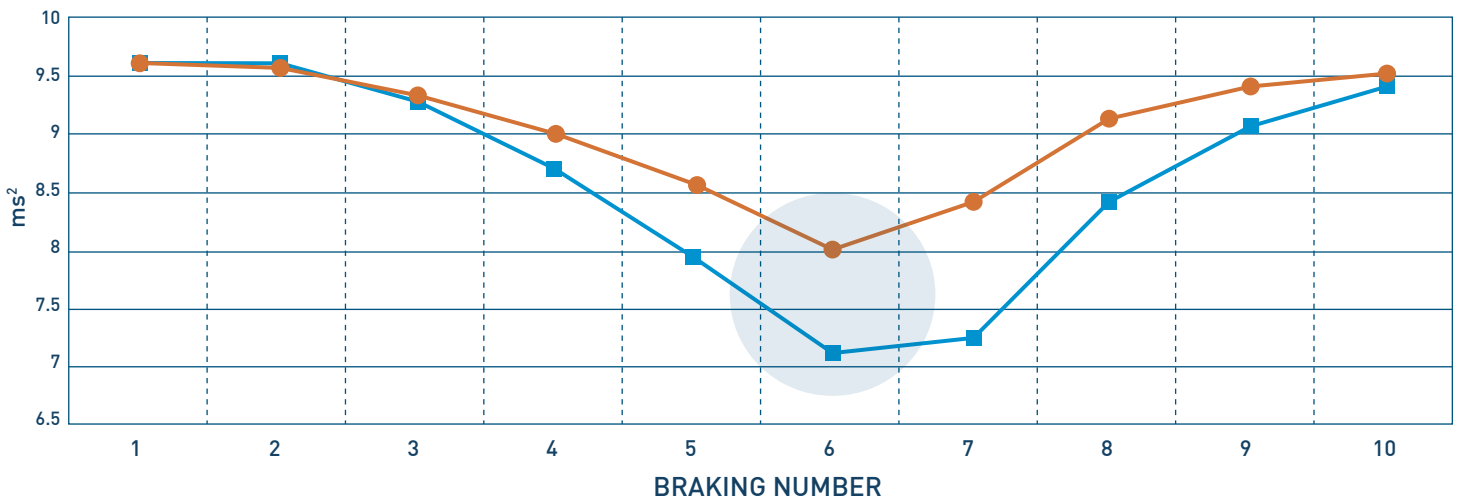
## PROCHIM GP IN FRICTION



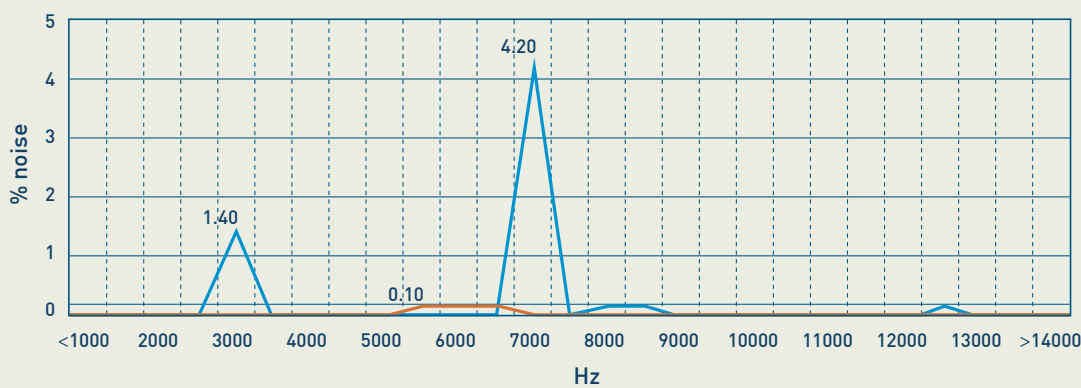
FTM TEST  
WEAR DISC



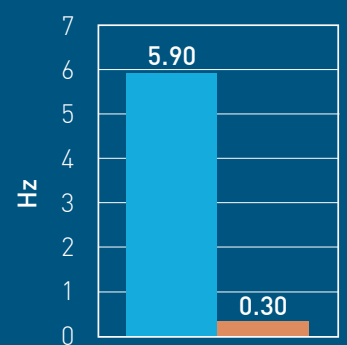
### AMS - DECELERATION



### NOISE OCCURENCE %



### TOTAL NOISE %



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Materials solutions

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