



Chemigum® Powder

Elastomeric Modifiers for PVC

Chemigum® elastomeric modifiers take flexible PVC performance to the next level.



Chemigum elastomeric modifiers are the global standard for PVC modification. They are specifically designed to enhance flexible PVC. Low compression set formulations enable rubber replacement.

Chemigum NBR elastomers are non-volatile flexibilizers that reduce plasticizer migration, enhance chemical and oil resistance while providing excellent low temperature performance and increased melt stability.

Chemigum elastomers are ideal for use in most flexible PVC applications including static and dynamic window gaskets, automotive gaskets and interior trim, hose, wire and cable, footwear and flooring.



Advantages

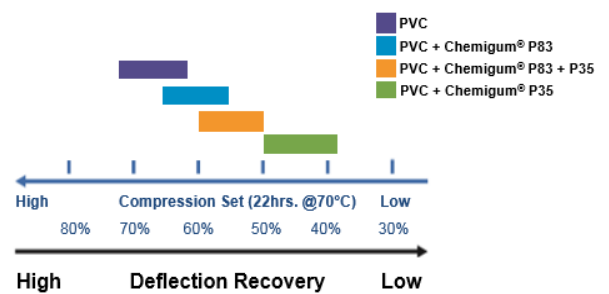
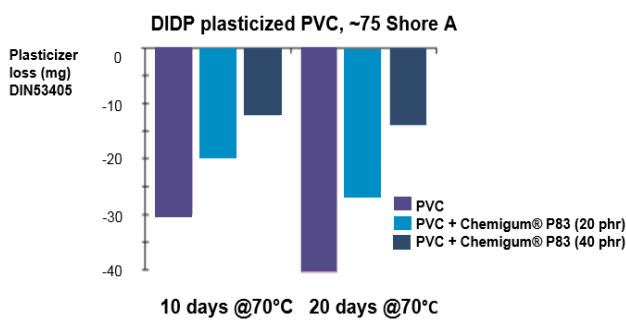
- Non-volatile flexibilizer
- Reduced plasticizer migration
- Chemical resistance
- Improved heat aging
- Melt dimensional stability
- Wider processability window

Basic Product Characteristics

Character	Value
Average Particle Size	0.3mm to 0.5mm
Acrylonitrile Content	33 – 35%
Specific Gravity	1.00 – 1.05
Polymer Structure	Crosslinked, linear and branched
Partitioning Agents	Calcium carbonate or PVC

Chemigum P83 Plasticizer Retention

Chemigum P35 – P83 Compression Set



Chemigum Reduces Plasticizer Migration for Flexible PVC

Customizable Compression Set Performance

Grade	Characteristics						Features
Nitrile Elastomers (NBR) in Powder Form							
	Mooney Viscosity ML (1+4), 100°C	ACN (%)	Polymer Structure	Median Particle Size (mm)	Partitionin g Agent	Specific Gravity	
Chemigum P83	57	33	Pre-crosslinked	0.4	PVC	1.00	Best all-round modifier of plasticized PVC for improved properties and melt processing
Chemigum P8BA	87	33	Pre-crosslinked	0.4	PVC	1.00	High melt strength. Particularly recommended for extrusion and calendaring. Low fog
Chemigum P35	50	35	Pre-crosslinked	0.3	CaCO ₃	1.05	Low compression-set for dynamic applications
Chemigum P86F	52	33	Pre-crosslinked	0.3	CaCO ₃	1.04	Very fine particle size. Processing aid. Reduces noise & vibrations
Chemigum P615DS	50	33	Linear	0.5	CaCO ₃	1.04	Low viscosity grade for friction materials in dry & semi-wet processes

www.synthomer.com

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Group Head Office



Synthomer plc
45 Pall Mall
London SW1Y 5JG
United Kingdom
Phone: +44 1279 436 211
info@synthomer.com

Operational Centre Americas

OMNOVA Solutions Inc.
25435 Harvard Road
Beachwood, OH 44122
USA
Phone: +1 216-682-7000
Cust. Svc: +1 888-253 5454
pccustserv@synthomer.com

Operational Centre Asia

Synthomer Sdn Bhd
Unit 16-2, Level 16, UOA Damansara II No. 6
Changkat Semantan Damansara Heights
50490 Kuala Lumpur
Malaysia
Phone: +603 2080 7200
info.asia@synthomer.com

