

ELASTOMERIC MODIFIERS FOR THERMOPLASTICS & FRICTION MATERIALS

Product Name	Chemistry type	Particle size	ACN (%)	Specify Gravity	Polymer Structure	Viscosity ML (1+4) @ 100°C	Partitioning Agent	Applications (Preference Selection)	Key features
POWDER									
CHEMIGUM® P83	NBR	0.4	33	1.00	Pre-crosslinked	57	PVC	PVC Modification Extrusion	Plasticizer retention. Chemical resistance.
CHEMIGUM P35	NBR	0.3	35	1.05	Pre-crosslinked	50	CaCO ₃	PVC Window Gasket Extrusion	Low compression set. Plasticizer retention. Chemical resistance.
CHEMIGUM P615DS	NBR	0.5	33	1.04	Linear	50	CaCO ₃	Injection Molding Friction Parts	Low viscosity. Abrasion resistance.
CHEMIGUM P7D	NBR	0.5	33	1.04	Branched	95	CaCO ₃	Friction Parts Fiber Gaskets	High gel strength. Processing aid.
CHEMIGUM P86F	NBR	0.3	33	1.04	Pre-crosslinked	52	CaCO ₃	Friction Parts	Very fine particle size. Processing aid. Reduces noise & vibrations.
CHEMIGUM P8BA	NBR	0.4	33	1.00	Pre-crosslinked and Branched	87	PVC	Calendering Extrusion	Low fog. Oil and grease resistance. Good melt strength.
CHEMIGUM P8D	NBR	0.4	33	1.04	Pre-crosslinked and Branched	85	CaCO ₃	Friction Parts	High viscosity. Reduces noise & vibrations.
SUNIGUM® P95	Acrylate	0.5	13	1.10	Pre-crosslinked	25*	CaCO ₃	TPU and TPC Modification	UV and heat resistance. Softness. Soft touch haptics. Matting effect.
SUNIGUM P2100	Acrylate	0.5	13	1.10	Pre-crosslinked	30*	CaCO ₃	PVC Window Gasket	Low compression set in PVC. UV and heat resistance.

Product Name	Chemistry type	Total solids (%)	ACN (%)	Surface Tension (mN/m)	Polymer Structure	Viscosity ML (1+4) @ 100°C	Brookfield Viscosity (mPa·s)	Applications (Preference Selection)	Key features
LATEX									
CHEMIGUM LATEX 248	NBR	55	33	34	-	75	150	Friction Parts Fiber Gaskets	Excellent stability. High solids.
CHEMIGUM LATEX 6387	NBR	47	33	58	-	85	65	Fiber Gaskets Beater Addition	Good heat aging resistance.
CHEMIGUM LATEX 550	XNBR	41	30	40	Carboxylated	95	25	Metal Elastomer Gaskets	Excellent oil resistance. Good mechanical properties. Good heat aging resistance.
CHEMIGUM LATEX 6271	XNBR	46	35	30	Carboxylated	50	35	Metal Elastomer Gaskets	Excellent oil resistance. Good abrasion resistance. Heat Sensitization.

*Mooney viscosity measured at 150°C

Revision Date: 04-May-21



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



Disclaimer: This information or data and any other advice or recommendations given or made by us (collectively "Information") are not intended to, nor do they, constitute professional advice or services. Information is provided "AS IS" and on an "AS AVAILABLE" basis and without warranty. We do not warrant or accept responsibility for the accuracy, timeliness or completeness of the Information or data or its suitability for a particular purpose. Synthomer makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Synthomer disclaims (i) any and all liability arising out of the application or use of any product (including as to infringement of third party intellectual property rights), (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability. Any information concerning any possible use or application of Synthomer products is given by us in good faith and it is entirely for you to satisfy yourself fully as to the suitability of Synthomer products for any particular purpose. Synthomer products are sold in accordance with Synthomer's standard terms and conditions of sale which are available from www.synthomer.com/tc.