

## Leading in emulsions and speciality polymers

Synthomer is one of the world's leading suppliers of emulsion and speciality polymers supporting leadership positions in many market segments including coatings, construction, technical textiles, adhesives, paper and synthetic latex gloves. The company has its Head Office in London (UK) and provides customer focused services from operational centres in Harlow (UK), Marl (Germany), Kuala Lumpur (Malaysia), Shanghai (China) and Dubai (UAE).

In April 2020, we acquired OMNOVA Solutions Inc., a US-based speciality chemical company. The acquisition of this highly complementary business extends our geographic reach, particularly in North America and Asia, and expands our global platform.

Synthomer is able to serve through a strong network of local technical service and sales branches, supported by regional application development and production in our key markets. We deliver the right formula, globally, individually.

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## Dispersions Pressure Sensitive Adhesives



Dispersions  
Pressure Sensitive Adhesives



<div>Labels for chilled goods / freezer grade</div> <div>Permanent paper labels</div> <div>Permanent filmic labels</div> <div>Removable labels</div> <div>Construction tapes</div> <div>Double-sided tapes</div> <div>Packaging tapes</div> <div>Speciality tapes</div> <div>Protective films</div> <div>Self-expanding foams</div> <div>Graphic films</div> <div>PVC films</div> <div>Low Fogging / VOC / Automotive Tapes</div> <div>Release Coatings</div>															<div>Solids content [%]</div> <div>pH Value</div> <div>Viscosity [mPa.s] Brookfield RVT 20 rpm</div> <div>Glass transition temperature Tg [°C], mid-point</div> <div>Peel adhesion<sup>1)</sup> (PET/Steel) 180° [N/25mm]</div> <div>Dynamic shear<sup>1)</sup> (PET/Steel) 180° [N/25mm]</div> <div>Loop tack<sup>1)</sup> (PET/Glass) [N/25 mm]</div>								
Product Name	Applications														Properties	Dispersion Properties*							Product Name
Pure Acrylic																							Pure Acrylic
Plextol D 156		●			●			●							High adhesion compounding base	65	4.8	800	-34	22 <sup>2)</sup>	42	17	Plextol D 156
Plextol D 276		●						●							Compounding base suitable for curtain coating	65	5.3	250	-42	8 <sup>2)</sup>	53	17	Plextol D 276
Plextol A 315		●						●							Good adhesion-cohesion balance, compounding base	50	6.0	550	-42	8 <sup>2)</sup>	51	18	Plextol A 315
Plextol D 2741		●													Coater-ready adhesive optimised for gravure coating, tackifier modified	55	5.5	150	n.a.	12 <sup>2)</sup>	53	15	Plextol D 2741
Plextol L 4805			●												Good water resistance	61	7.0	300	-45	10 <sup>2)</sup>	49	20	Plextol L 4805
Plextol A 7700			●								●				Excellent water and blush resistance, no label look	52	7.0	700	-43	7 <sup>2)</sup>	53	17	Plextol A 7700
Plextol A 7703			●												Coater-ready product for clear on clear labels based on Plextol A 7700	42	8.0	275	-43	12 <sup>2)</sup>	43	11	Plextol A 7703
Plextol R 641				●											Excellent removability and constant adhesion	56	6.5	500	n.a.	1 <sup>2)</sup>	30	5	Plextol R 641
Plextol X 4427				●				●	●		●				Good adhesion and high cohesion, soft peel, excellent compounding properties e.g. with crosslinkers	56	6.5	550	-49	5 <sup>2)</sup>	75	13	Plextol X 4427
Plextol XA 1777	●	●													Good tack at low temperatures, excellent adhesion to cold, moist surfaces	65	4.0	525	-53	6 <sup>2)</sup>	50	17	Plextol XA 1777
Plextol T 4803	●														Excellent adhesion and tack also at very low temperature	60	6.5	1000	-61	3 <sup>2)</sup>	20	10	Plextol T 4803
Plextol L 4804		●			●			●						●	Very low emission, good adhesion-cohesion balance, high tack	64	8.0	1400	-45	26 <sup>3)</sup>	41	32	Plextol T 4804
Plextol DS 152					●	●		●						●	Excellent adhesion to non-polar substrates, high tack, steam-stripped	65	4.0	1450	-34	26 <sup>3)</sup>	34	34	Plextol DS 152
Plextol DS 155					●	●		●			●			●	High shear strength, steam-stripped	65	5.0	425	-34	29 <sup>3)</sup>	41	30	Plextol DS 155
Plextol R 621					●	●		●							High initial tack, excellent adhesion to non-polar substrates, very good aging resistance	59	7.5	1150	-38	26 <sup>3)</sup>	20	24	Plextol R 621
Plextol D 171					●			●							High adhesion to non-polar substrates, high tack	60	5.0	500	-40	30 <sup>3)</sup>	34	28	Plextol D 171
Plextol D 154					●	●		●							Very high tack	65	4.0	800	-34	27 <sup>3)</sup>	28	36	Plextol D 154
Plextol L 4801					●			●						●	Excellent cohesion and medium level of adhesion	64	8.0	1500	-45	12 <sup>3)</sup>	58	19	Plextol L 4801
Plextol D 224						●		●		●					High adhesion, excellent water resistance	59	9.0	170	-40	10 <sup>2)</sup>	26	15	Plextol D 224
Plextol D 207								●		●					Very soft and tacky, acrylic tackifier	55	8.5	600	-40	n.a.	n.a.	n.a.	Plextol D 207
Plextol D 237								●			●	●			Very good plasticizer resistance	60	7.0	800	-31	10 <sup>3)</sup>	51	9	Plextol D 237
Plextol X 4278								●							Very high adhesion and shear properties	53	6.0	1000	-36	36 <sup>3)</sup>	57	15	Plextol X 4278
Plextol A 420								●						●	Well balanced adhesion-cohesion properties	65	5.5	7500	-37	29 <sup>3)</sup>	48	28	Plextol A 420
Plextol Prime 7501					●			●							Coater-ready product with outstanding temperature resistance, high cohesion & excellent chemical resistance	50	7.5	2750	-27	16 <sup>3)</sup>	92	19	Plextol Prime 7501
Plextol Prime 7525					●			●							Coater-ready product with very good adhesion on LSE surfaces and high chemical resistance	50.5	7.5	3500	n.a.	20 <sup>3)</sup>	73	30	Plextol Prime 7525
Plextol D 268							●								High adhesion to cardboard, suitable for no noise tapes, ammonia free	55	8.5	100	-42	6 <sup>2)</sup>	59	14	Plextol D 268
Styrene Butadiene																							Styrene Butadiene
Litex XA 1717		●						●							Pressure-sensitive carboxylated styrene butadiene rubber with high cohesion	51	7.0	200	-54	8 <sup>2)</sup>	65	14	Litex XA 1717
Silicone Free Release Coatings																							Silicone Free Release Coatings
SunCryl HP 98														●	Hydrophobic non-silicone release polymer for paper and film	39	6.0	<200	n.a.	2.2 <sup>4)</sup>	n.a.	n.a.	SunCryl HP 98
SunCryl HP 114														●	Hydrophobic non-silicone release polymer for film and foil, with easy release level	32	5.0	<100	n.a.	1.8 <sup>4)</sup>	n.a.	n.a.	SunCryl HP 114
SunCryl EU 127														●	Hydrophobic non-silicone release polymer for paper	40	6.0	<250	n.a.	2.8 <sup>4)</sup>	n.a.	n.a.	SunCryl EU 127

<sup>1)</sup> Similar to FINAT test methods  
<sup>2)</sup> Coating weight 20g/m²  
<sup>3)</sup> Coating weight 65g/m²  
<sup>4)</sup> Similar to FTM3; 5g/m² release coating, tested with standard tape tesa 4316 after 20 min  
\* Data describes typical properties - not product specification