

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 June 2016 we have acquired the Monomers, Dispersions and Powders business (MDP) from Hexion with dedicated production, sales and customer service facilities in North America, Europe and South East Asia. In March 2017, we acquired the coalescing agents and Butyl Ethyl Propanediol (BEPD) business from Perstorp Oxo Belgium AB. The newly acquired businesses significantly improve our footprint to a number of speciality markets which we will continue 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

Product Name	Applications											Properties	Dispersion Properties*							Product Name	
	Labels for chilled goods / freezer grade	Permanent paper labels	Permanent filmic labels	Removable labels	Construction tapes	Double-sided tapes	Packaging tapes	Speciality tapes	Protective films	Self-expanding foams	Graphic films		PVC films	Low Fogging/ VOC/ Automotive Tapes	Solids content [%]	pH Value	Viscosity [mPa.s] Brookfield FVT 20 rpm	Glass transition temperature Tg [°C], mid-point	Peel adhesion ¹⁾ [PET/Steel] 180° [N/25 mm]		Dynamic shear ¹⁾ [PET/Steel] 180° [N/25 mm]
Pure Acrylic													Pure Acrylic								
Plextol D 156	●			●									High adhesion compounding base	65	4.8	800	-34	22 ²⁾	42	17	Plextol D 156
Plextol D 276	●												Compounding base suitable for curtain coating	65	5.3	250	-42	8 ²⁾	53	17	Plextol D 276
Plextol A 315	●												Good adhesion-cohesion balance, compounding base	50	6.0	550	-42	8 ²⁾	51	18	Plextol A 315
Plextol D 2741	●												Coater-ready adhesive optimised for gravure coating, tackifier modified	55	5.5	150	n.a.	12 ²⁾	53	15	Plextol D 2741
Plextol L 4805		●											Good water resistance	61	7.0	300	-45	10 ²⁾	49	20	Plextol L 4805
Plextol A 7700		●								●			Excellent water and blush resistance, no label look	52	7.0	700	-43	7 ²⁾	53	17	Plextol A 7700
Plextol R 641				●									Excellent removability and constant adhesion	56	6.5	500	n.a.	1 ²⁾	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 ²⁾	75	13	Plextol X 4427
Plextol A 402	●	●											Good tack at low temperatures, excellent adhesion to cold, moist surfaces	52	5.0	300	-50	6 ²⁾	30	9	Plextol A 402
Plextol L 4804		●			●							●	Very low emission, good adhesion-cohesion balance, high tack	64	8.0	1400	-45	26 ³⁾	41	32	Plextol L 4804
Plextol DS 152					●	●						●	Excellent adhesion to non-polar substrates, high tack, steam-stripped	65	4.0	1450	-34	26 ³⁾	34	34	Plextol DS 152
Plextol DS 155					●	●						●	High shear strength, steam-stripped	65	5.0	425	-34	29 ³⁾	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 ³⁾	20	24	Plextol R 621
Plextol D 171					●								High adhesion to non-polar substrates, high tack	60	5.0	500	-40	30 ³⁾	34	28	Plextol D 171
Plextol D 154					●	●							Very high tack	65	4.0	800	-34	27 ³⁾	28	36	Plextol D 154
Plextol L 4801					●							●	Excellent cohesion and medium level of adhesion	64	8.0	1500	-45	12 ³⁾	58	19	Plextol L 4801
Plextol D 224						●				●			High adhesion, excellent water resistance	59	9.0	170	-40	10 ²⁾	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 ³⁾	51	9	Plextol D 237
Plextol X 4278										●			Very high adhesion and shear properties	53	6.0	1000	-36	36 ³⁾	57	15	Plextol X 4278
Plextol A 420										●		●	Well balanced adhesion-cohesion properties	65	5.5	7500	-37	29 ³⁾	48	28	Plextol A 420
Plextol D 265										●			General purpose packaging tapes, high adhesion to cardboard, good fibre tear strength	55	8.5	150	-42	12 ²⁾	38	17	Plextol D 265
Plextol D 268										●			High adhesion to cardboard, suitable for no noise tapes, ammonia free	55	8.5	100	-42	6 ²⁾	59	14	Plextol D 268

¹⁾ Similar to FINAT test methods
²⁾ Coating weight 20g/m²
³⁾ Coating weight 65g/m²
 * Data describes typical properties - not product specification