Synthetic fibers

The demands on nonwoven fabrics made of synthetic fibers are very diverse. Depending on the application, the material must be tear-resistant, weather-resistant, flexible, lightweight, soft or absorbent. Our binders provide the properties needed for your fabrics.

Roofing
Our formulations provide good thermal resistance to prevent shrinkage during the bituminization process. With our binders and experience we support the development of roofing membranes in line with new standards and legislation.

Automotive carpet
Whether it's mats or rear seat coverings – automotive carpet requires a high abrasion and water resistance and must be low-odor.

Abrasives
Our product portfolio for abrasives applications includes oil and solvent-resistant products as well as phenol-compatible products with high thermo-dimensional stability.

Product name	Tg [°C]	Solids [%]	pH value	Viscosity [mPa·s]	Low VOC	FA free*	Self x-linking	Product key properties for respective application
Roofing								
Styrofan® 2430	+20	49	~5.5	~50	■		■	Outstanding thermodimensional stability and elasticity
Styrofan® 2525	+23	51	~7.5	~300	■		■	Very good thermodimensional stability
Acronal® S 747 S	+23	50	~5	~90	■		■	Good thermodimensional stability and elasticity
Acronal® S 888 S	+28	49.5	~8	~350			■	Outstanding thermodimensional stability and very good heat resistance
Acronal® 2434	+32	50	~8	~100	■		■	Good thermodimensional stability
Saduren® 163	----	70	~8.5	~650			■	Crosslinking agent
Carpet								
Styrofan® 2427	-12	51	~8	~50	■	■		Soft handle
Acronal® S 589	+2	52	~7.5	~190	■	■		Soft handle, low yellowing
Styrofan® 2609	+5	53	~8	~75	■	■		Medium-soft handle
Acronal® Pure 2728	+19	50	~7	~190**	■	■		Medium handle, low odor, good water resistance
Acronal® Pure 2416	+38	50	~4.5	~60	■	■	■	Stiff handle, low odor
Abrasives								
Acronal® 32 D	-22	50	~6	~50	■		■	Very good solvent, oil and lubricant resistance
Acrodur® DS 3558	+20***	50	~3.5	~900	■	■	■	Hard, visco-plastic
Acronal® S 888 S	+28	50	~8	~350			■	Outstanding thermodimensional stability and very good heat resistance
Acronal® LN 838 S	+31	51	~6	~40	■		■	Very solvent resistant
Styrofan® 2820	+33	49	~7.5	~60			■	Thermodimensional stability
Styrofan® 2800	+40	53.5	~8.5	~150	■	■		Very good compatibility with phenolic resin
Acronal® 12 DE	+68	40	~6.5	~40	■	■	■	Outstanding oil and lubricant resistancy
Saduren® 163	----	70	~8.5	~650			■	Crosslinking agent

* Formaldehyde not intentionally added. Product may comprise minor traces, as ubiquitously occuring impurities cannot be excluded / **different test method used: ISO 2555 (= Brookfields viscosity) / Tg = Glass transition temperature / ***Thermoset matrix modified with dispersion of mentioned Tg / Solids [%] = solid content in percent / VOC = Volatile organic compounds / FA = Formaldehyde / Viscosity acc. to ISO 3219 / Low VOC = VOC acc. to 2004/42/EC < 1,000 ppm / x-linking = crosslinking

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