



# BC 7200 SERIES

Heat-Crosslinking Styrene Acrylates  
for Nonwovens

Delivering specific functional properties together with bonding strength are the most important contributions of a polymeric binder in the production and application of nonwovens.

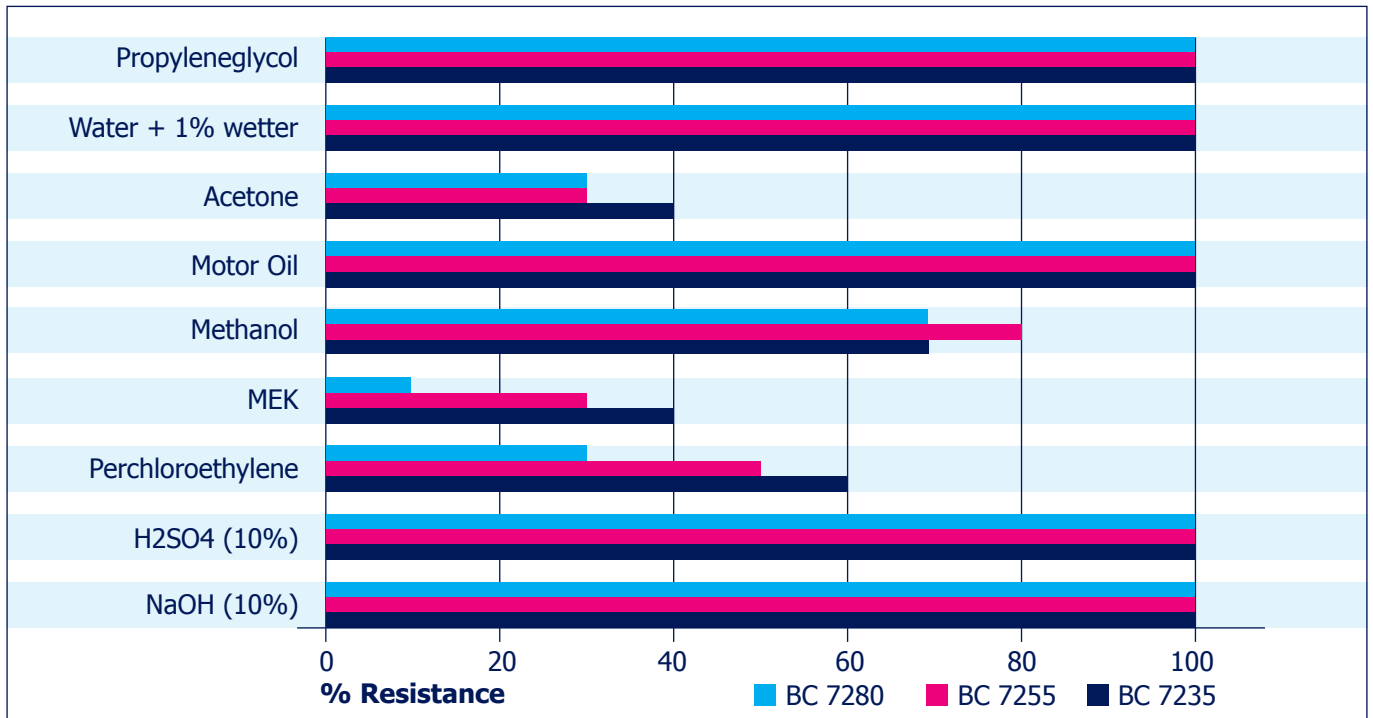
EOC's BC 7200 range of heat-crosslinking styrene acrylate-polymers have been specifically designed to deliver, amongst others, excellent chemical resistance, tear strength and absorbency to nonwoven fabrics. In addition to the polymeric binders, EOC can also propose a broad portfolio of high-quality additives such as rheology modifiers, foaming agents, foam stabilizers and dispersants.

PRODUCT	PROPERTIES				RECOMMENDED APPLICATIONS							
	Solids (%)	Tg (°C)	pH	Viscosity (mPas@25°C)	Wipes	Filtration	Medical	Automotive	Geotextiles	Wallcoverings	Mineral & glass fiber bonding	Interlining
BC 7235	46	-15	3.5 - 5.5	< 500	☐		☐☐	☐		☐		☐
BC 7245	46	-5	3.5 - 5.5	< 500	☐	☐	☐☐	☐☐		☐☐		☐☐
BC 7255	46	5	3.5 - 5.5	< 500	☐☐	☐	☐☐	☐		☐	☐	☐
BC 7265	46	15	3.5 - 5.5	< 500	☐☐		☐				☐☐	
BC 7270	46	20	3.5 - 5.5	< 500		☐☐					☐☐	
BC 7280	46	30	3.5 - 5.5	< 500		☐☐			☐		☐	

☐ = suitable    ☐☐ = highly recommended

## SOLVENT RESISTANCE

5cmx5cm squares of 0.4mm films were dried at room temperature and subsequently cured for 3 minutes at 160°C. Squares were submerged into different solvents for 1 hour and % increase in area was measured. Results are expressed as % resistance and are calculated as follows: 100% - % area increase.



## TENSILE PROPERTIES

Two substrates are tested: Whatman #4 paper and Whatman GF/A glass microfiber.

Product tested: BC 7235

Binder is applied at 25% dry on weight of fiber. Substrates are dried for 5 minutes at 160°C.

Tensile strength is tested on 50mmx250mm strips in a Zwick tensile tester at a speed of 100mm/min.

Wet tensile strength is measured on strips that have been submerged in a 1g/l wetting agent solution.

SUBSTRATE	DRY TENSILE STRENGTH (N/mm)	WET TENSILE STRENGTH (N/mm)
Paper	17.1	8.6
Glass Fiber	6.5	1.9



**EOC** Belgium nv

p/a IP De Bruwaan 12  
B-9700 Oudenaarde

T +32 55 23 58 58  
F +32 55 23 58 59

info@eocgroup.com  
www.eocgroup.com

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