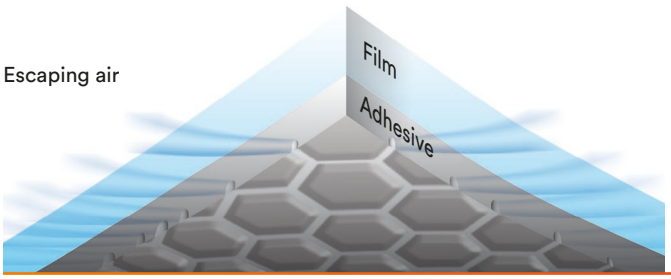
3M Science. Applied to Life.™

3M™ Label Materials
with Structured Adhesive

Bonding without Bubbles.

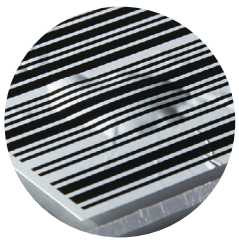


The polygon-structured carrier paper forms minute air channels in the adhesive. The special modification of the adhesive keeps these channels open for an adequate period of time after bonding to ensure that air, gas, and water vapor can escape.

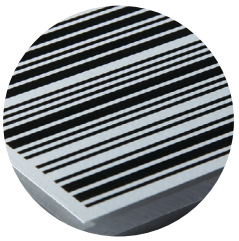
3M™ Label Materials with Structured Adhesive

Forget bubbles and deformations when applying labels. Minute channels in the film adhesive enable the escape of air, gas, and water vapor and easy application without “reworking”, which is ideal, for example, in the case of

- temporarily outgassing materials such as plastic molded parts after injection molding
- the manual application of larger, decorative or easily visible label formats
- demanding expectations regarding the adhesive strength on powder-coated and low-energy substrates



Conventional label films



3M Label Materials with Structured Adhesive

	7220SA	7214SA	7018SA	7051SA
Film material	Polyester	Polyester	Polyester	PVC
Color	White	Brushed silver	Clear	White
Thickness	0.051 mm	0.051 mm	0.051 mm	0.097 mm
Adhesive Series	Modified acrylate, Series 350 for low-energy substrates, plastics, powder coatings, and slightly oily substrates			
Thickness	0.028 mm	0.028 mm	0.028 mm	0.028 mm
Protective paper	Embossed, Polyethylene-coated, Environmentally stable			
Thickness	0.198 mm	0.198 mm	0.198 mm	0.198 mm
Printability	Flexographic and screen printing, can be subsequently labeled in a thermal transfer printing process			
Temperature resistance	-40°C to +150°C	-40°C to +150°C	-29°C to +150°C	-40°C to +60°C
Description	• UL recognized, File MH16411 • RoHS • high chemical and solvent resistance	• RoHS • high chemical and solvent resistance	• RoHS	• RoHS • very good weather resistance

Industrial Adhesives & Tapes Division