Properties of Labeling Materials by Material Type

robos labels

● = low ●● = medium ●●● = high

Properties	Acetate	Aluminium	Cast Acrylate	Cast Polyurethane	Poly-carbonate	Polyester	Polyimide	Polyolefins	Cast Vinyl	Calendered Vinyl	Specialty Paper
Conformable		●	●	●					●●●	●	
Brittle				●							
Stretchable									●●●	●	
Electrically conductive		●									
Broad range of thicknesses					●●	●●●					
High inner strength					●	●●●		●			
No shrinkage due to ageing or high temperatures		●	●	●		●	●●●		●●		
Scratch resistant					●	●	●				
Opaque		●									
Solvent resistant		●●			●	●●●	●●●	●●	●	●	
Only for indoor use	●										●
Embossable		●									
Tear resistant					●	●	●				
Restoring forces	●●	●	●	●	●●●	●●●	●●●	●●	●	●●	●●
For use on textured decorative surfaces					●						
Temperature resistant	●●	●●●	●●●			●●	●●●	●	●●	●	●●
Waterproof	●●●	●	●	●	●	●	●	●	●	●	
Vapour impermeable		●									
Weather resistant		●●●	●●	●●	●●	●	●		●●●	●●	
Destructible	●	●		●					●		●

These properties of labeling films are based on the combination of film material, film coating, and adhesive.