

## Draft GB Standard for Restricted Substances in PVC Artificial Leather

The National Standard of the People's Republic of China is in progress drafting a new standard restricting the hazardous substances in PVC artificial leather, aiming at protecting the human health and to make relevant improvement to the environment.

This draft standard is applicable for PVC artificial leather in foamed or non-foamed form, with or without base material, produced by coating, rolling and compounding processes utilizing PVC resin as the major raw material by additional of appropriate auxiliary agents. The harmful substance levels as proposed are summarized in **Table 1**.



**Table 1 – Limits of Hazardous Substances in PVC Artificial Leather**

Restricted Hazardous Substances	Limit	Test Method
Vinyl Chloride Monomer Content	$\leq 5 \text{ mg/kg}$	According to GB/T 4615—1984 "Determination Method of Residual Vinyl Chloride Monomer Contents in Polyvinyl Chloride".
Soluble Lead (Pb) Content	$\leq 90 \text{ mg/kg}$	Extraction with 0.07mol/L hydrochloric acid (HCl) for 24 hours followed by AAS analysis.
Soluble Cadmium (Cd) Content	$\leq 75 \text{ mg/kg}$	
Other Volatile Substances Content	$\leq 20 \text{ g/m}^2$	Determined by weight differences after incubating at $100 \pm 2^\circ\text{C}$ for 6 hours ( $\pm 10 \text{ min}$ ).

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