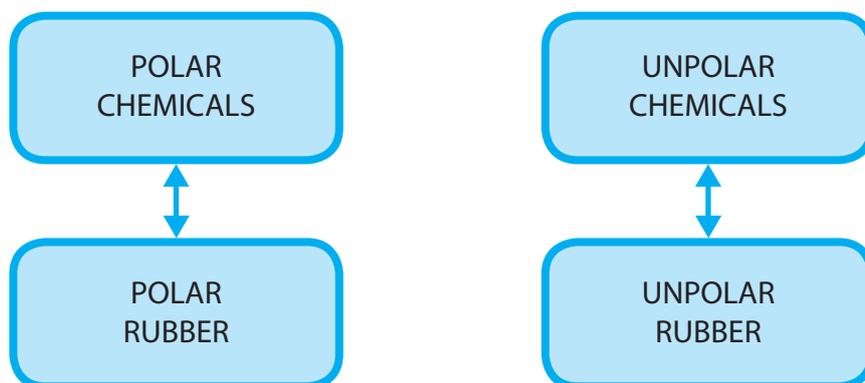


How do I know what chemicals are safe to use with my blankets? Do Kinyo have an approved list?

At first glance the choice of blanket washing chemicals looks fairly straightforward, conventional washes for conventional mineral/vegetable oil based inks and UV washes for UV drying inks. However as the general range of washes reduces in size there are a lot of dual/multi-purpose washes that have been developed in response to legislative and market demands. These washes can affect the performance of the blanket if care is not taken during selection.

In simple terms there are 2 types of chemical bonding, polar and non-polar, which are found in the materials we use. If 2 like products are brought together i.e. a polar wash and a polar rubber material then we will get a reaction in the form of swelling or shrinkage:-



UNPOLAR RUBBER - EPDM UNPOLAR CHEMICALS - HYDRO CARBONS
POLAR RUBBER - NBR POLAR CHEMICALS - AROMATIC ESTERS

It's a fairly easy task to stay safe and keep the 2 apart except when we move in to the areas of UV and Dual Purpose blankets and washes. Both have to be designed to perform well in the presence of materials that will want to attack the chemical composition of the product. At Kinyo we have developed a range of chemically resistant rubber blends designed to offer the maximum resistance while still achieving unsurpassed levels of print quality. The design of our Dual Purpose Packaging blanket, Titan, has given us a world leading product that offers the ultimate resistance properties when running difficult UV Metallics and Spot colours plus unrivalled longevity thanks to our Thermasphere compressible layer.

Do Kinyo have an approved chemicals list?

We do not support an approved list of chemicals simply because we have no guarantee that the content of a press wash will not change. Material availability and continuity of supply are aspects that are outside the control of most wash manufacturers so alternative materials and sources are often utilised. Kinyo Technical Services will test and repeat test, if necessary, any washes to make sure that there are no compatibility issues.

If you require more technical information to help you make the correct blanket choice please contact us.