



Rado Gummi GmbH has developed the Radosil-ECF product range with chlorine-free crosslinking systems for peroxide cured silicone compounds. (Source: Rado Gummi GmbH)

02. March 2021

Rado: Silicone compounds – chlorine-free and environmentally friendly, economical and with no need for a permit

According to the German company Rado Gummi GmbH, a specialist in the manufacturing of silicone compounds, discussions on PCB (polychlorinated biphenyls) emissions resulting from the extrusion of peroxide cured crosslinked silicone products have become a topical issue, with both authorities and the public showing greater levels of awareness and alarm. Ultimately, this will lead to manufacturers of such products having to switch over to PCB emission-free crosslinking systems for their products or operators will face having their installations become subject to licensing in accordance with Article 4 of the German Federal Immission Control Act.

Rado Gummi GmbH has reacted speedily and developed the Radosil-ECF product range with chlorine-free crosslinking systems for peroxide cured silicone compounds. All the product characteristics achieved using the DCLBP (2,4-Dichlorobenzoyl peroxide) crosslinked version can also be found with this new, chlorine-free initiator. Chlorine-free Radosil-ECF compounds are said to offer the same high level of crosslink density while providing increased scorch safety. Unlike traditional systems, they also prevent blooming in the finished part.

In addition to chlorine-free peroxide cured crosslinking, Rado Gummi also supplies platinum-catalysed (addition-cured) systems offering considerable product advantages such as increased ultimate elongation, better tear resistance and very good compression set. These advantages will result in considerably improved product characteristics in the manufacture of uncompressed extruded hoses

and profiles as well as cable coatings. Important product features can be achieved even without tempering. As standard with Rado Gummi, 100 % of these new Radosil-ECF compounds will also be available strained – i.e. fine-filtered. All formats such as continuously wound strips packed into cardboard boxes, discs, round cords and bars are available at no extra charge. Radosil is a protected registered trademark of Rado Gummi GmbH, Radevormwald, Germany.

www.rado.de