

Name	Controzon S	
Description	antiozonant wax	
Composition	selected n/iso-paraffinic hydrocarbons	
Appearance	white to light beige pellets	
Analytical Values		
Congealing point [°C]	DIN ISO 2207	61 - 67
Density at 20 °C [g/cm ³]	DIN ISO 787 part 10 A	0.92
Dosage		
[phr]	2 - 6	
German Food Legislation (BfR recommendation XXI)	approved	
US Code of Federal Regulations, FDA - CFR Title 21, Part 177.2600	listed	
For Ozone Test		
Temperature range [°C]	40 - 50	
Supply Form	25 kg in PE-bags	
Storage Stability		
In originally sealed package in dry places at max. 25 °C	min. 24 months	

Behaviour and Effects

Controzon S forms a flexible wax film on the surfaces of the vulcanizates and protects them from crack formation due to ozone attack under static conditions. Controzon S acts as a carrier for chemical ozone protecting agents and antioxidants and improves their effectiveness. The addition of about 2 phr prevents the ozone attack known as the "frosting effect". Supplied as pellets, Controzon S is easy to handle and to weigh.

Application

- For black articles based on NR, IR, SBR and CR, which are exposed to higher temperature, e.g. tires as well as conveyor belts, moulded articles and extruded sections, microcellular rubber (dosage up to 12 phr)

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