

KER® 1904

High-Styrene Rubber - HSR

Technical Data Sheet

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Poprzednie wydania niniejszego dokumentu utraciły ważność.

CHARACTERISTICS

KER® 1904 is a grade of high-styrene rubber. It is produced by mixing of styrene-butadiene latex and high styrene resin in adequate proportion. It is coagulated by a system of acid and synthetic coagulant, is stabilized with a non-staining antioxidant and contains abt. 68% of bonded styrene.

GENERAL REQUIREMENTS

KER® 1904 is packed into polyethylene bags 25,0 ± 0,5 kg. Presence of any mechanical impurities is not permitted.

TECHNICAL PARAMETERS

RUBBER TECHNICAL PARAMETERS

Parameter	Unit	Value	Test method
Volatile matters	% wt	max. 1,0	ASTM D5668
Ash	% wt	max. 0,4	ASTM D5667
Organic acids	% wt	5,0 ÷ 7,0	ASTM D5774
Soaps	% wt	max. 0,4	ASTM D5774

VULCANIZATE TECHNICAL PARAMETERS

Parameter	Unit	Value	Test method
Tensile strenght	MPa	min. 16,7	ASTM D412
Hardness	°Sh D	56 ÷ 64	ASTM D2240

STANDARD RUBBER COMPOUND COMPOSITION

Component	Unit	quantity
Rubber	parts by weight	100
Zinc white	parts by weight	5,00
Stearine	parts by weight	1,00
Sulphur	parts by weight	2,00
DM accelerator	parts by weight	1,60
D accelerator	parts by weight	0,40

Vulcanization conditions: temperature 145°C, time 50 minutes.

Guaranteed values of relevant technical parameters of the product are each time agreed upon in the sales contract.

To each shipping lot/delivery a quality certificate including data on properties of the product determined during release control is issued. Scope of the testing which is covered by the quality certificate is each time agreed upon in the sales contract.

PACKAGING

KER® 1904 has a form of granules and is packed into polyethylene bags $25,0 \pm 0,5$ kg each, then laid onto 1,2 t wooden pallets or transported in road tankers.

Each pallet bears a self-adhesive label on which manufacturer's name, product name and grade, production lot number, net and gross weight, production date and labelling required by relevant regulations (if needed) are given.

TRANSPORTATION

KER® is typically transported in covered road trucks, in covered railway carriages and in standard shipping containers, in rail tank cars or road tankers.

KER® 1904 is not a dangerous material to transport.

STORAGE

Product should be stored in sheltered conditions away from direct sunlight, at least 2 meters away from radiant heating elements and the temperature should not exceed 30°C. The guaranteed shelf life for KER® under the above-mentioned conditions is twelve (12) months from the date of production.

APPLICATION

KER® 1904 is used for production of floor finishes, cables, toys and micro porous rubber for footwear industry. Addition of this product will decrease the rubber compound plasticity and increases the vulcanizate hardness. The producer holds certificate issued by ISEGA approving application of KER® 1904 for manufacture of goods intended to come in contact with foodstuffs in accordance with BfR and FDA requirements.

Niniejszy dokument ma charakter informacyjny. Informacje w nim podane oparte są na aktualnym stanie wiedzy i doświadczeniu. Nie stanowią one gwarancji własności produktu ani specyfikacji jakościowej i nie mogą być podstawą do reklamacji. Przedstawione informacje nie mogą mieć zastosowania dla mieszanin produktu z innymi substancjami. Produkt powinien być transportowany, magazynowany i stosowany zgodnie z obowiązującymi przepisami i odpowiednią praktyką higieny pracy.

Wykorzystanie podanych informacji jak też sposób zastosowania produktu nie są kontrolowane przez producenta, i zatem określenie warunków bezpieczeństwa stosowania produktu jest obowiązkiem użytkownika.

