Technical information

Basic elastomers for rubber products

Designation	Material	Properties / Areas of application	
		noltewerk quality: examples of elastomers	**noltewerk quality: examples of rubber conveyer belts**
NR	Natural Rubber	› Excellent mechanical properties (tensile strength, elongation, abrasion) › Medium resistance to seawater, acids and bases of medium concentration	
		› CeNit® 1280 › CeNit® 2375 › NRV 40 › NRV 60	› Conveyer belts, standard X / Y
SBR	Styrene-Butadiene-Rubber	› All-round rubber for normal application › Similar properties as NR	
		› NR/SBR FDA-compliant › NR/SBR 50 ° Shore A › NR/SBR 65 ° Shore A	› Conveyer belts, standard Y / DT 130 respectively T 15 / K / S
CR	Chloroprene Rubber	› Flame retardant properties › Good resistance to oil, ozone- and seawater › Limited resistance to heat › Self-extinguishing possible	
		› Neoprene CR/SBR 65	› Conveyor belts, self-extinguishing V / VT
NBR	Nitrile Butadiene Rubber	› Very good resistance to oil and grease › Good mechanical properties › Limited resistance to heat	
		› NBR/SBR 65 ° Shore A › NBR/SBR P9504 › NBR Gas P518 › NBR Super › Asbestos replacement WS 102	› Conveyer belts, resistant to oil and grease G / MOR / G (K) / G (S) / G (FDA) / DT (Ö+F) 110 respectively 130
BR	Butadiene-Rubber	› For compounds with low abrasion and high elasticity › Only as blend	
		› On request	› Conveyer belts, resistant to abrasion W / WL 35
EP(D)M	Ethylene-Propylene-(Dien)-Monomer	› Very good resistance to heat › Good mechanical properties and ozone-resistance › Not resistant to oil and grease	
		› EPDM super › EPDM/SBR 65 ° Shore A › EPDM/SBR 60 ° Shore A › EPDM heat › EPDM FDA / EU-compliant	› Conveyor belts, DT 180 respectively 200 / DT (C) 170 respectively 190

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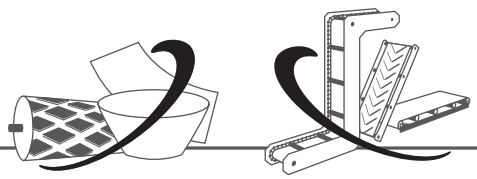

elastomer technology

rubber conveyor belts

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Designation	Material	Properties / Areas of application	
		noltewerk quality: examples of elastomers	**noltewerk quality: examples of rubber conveyer belts**
IIR	Isobutylene-Isoprene-Rubber	› Good resistance to heat and chemicals › Not resistant to oil and grease	
		› On request	› Conveyor belts, heat- and chemical resistant C / DT 150 respectively 210 (400) / DT (C) 170 respectively 190
VMQ	Vinyl-Methyl-Polysiloxan (silicone)	› Very good heat resistance › Very good flexibility at low temperatures › Non-toxic when in contact with food products	
		› Silicone reddisch-brown › Silicone transparent (FDA / EU compliant)	› CeNit® 3825
PU*	Polyurethane	› Excellent anti-wear-properties › Excellent tensile-strength › High flexibility	
		› PU D 44CeNit® › PU foam CeNit® › PU foamed › PUR 70 ° Shore A › PUR 80 ° Shore A › PUR 90 ° Shore A	› CeNit® 3642 › CeNit® 3665 › CeNit® 3674
TPE	Thermoplastic elastomer	› Custom made materials are possible through various mixing ratios and additives.	
		› On request	› On request

*Please note: plastics conveyor belt.

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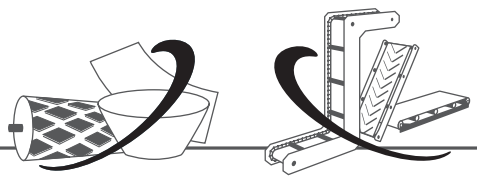

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