

# 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	<ul style="list-style-type: none"> <li>› Excellent mechanical properties (tensile strength, elongation, abrasion)</li> <li>› Medium resistance to seawater, acids and bases of medium concentration</li> </ul>	
		<ul style="list-style-type: none"> <li>› CeNit® 1280</li> <li>› CeNit® 2375</li> <li>› NRV 40</li> <li>› NRV 60</li> </ul>	› Conveyer belts, standard X / Y
SBR	Styrene-Butadiene-Rubber	<ul style="list-style-type: none"> <li>› All-round rubber for normal application</li> <li>› Similar properties as NR</li> </ul>	
		<ul style="list-style-type: none"> <li>› NR/SBR FDA-compliant</li> <li>› NR/SBR 50° Shore A</li> <li>› NR/SBR 65° Shore A</li> </ul>	› Conveyer belts, standard Y / DT 130 respectively T 15 / K / S
CR	Chloroprene Rubber	<ul style="list-style-type: none"> <li>› Flame retardant properties</li> <li>› Good resistance to oil, ozone- and seawater</li> <li>› Limited resistance to heat</li> <li>› Self-extinguishing possible</li> </ul>	
		› Neoprene CR/SBR 65	› Conveyer belts, self-extinguishing V / VT
NBR	Nitrile Butadiene Rubber	<ul style="list-style-type: none"> <li>› Very good resistance to oil and grease</li> <li>› Good mechanical properties</li> <li>› Limited resistance to heat</li> </ul>	
		<ul style="list-style-type: none"> <li>› NBR/SBR 65° Shore A</li> <li>› NBR/SBR P9504</li> <li>› NBR Gas P518</li> <li>› NBR Super</li> <li>› Asbestos replacement WS 102</li> </ul>	› Conveyer belts, resistant to oil and grease G / MOR / G (K) / G (S) / G (FDA) / DT (Ö+F) 110 respectively 130
BR	Butadiene-Rubber	<ul style="list-style-type: none"> <li>› For compounds with low abrasion and high elasticity</li> <li>› Only as blend</li> </ul>	
		› On request	› Conveyer belts, resistant to abrasion W / WL 35
EP(D)M	Ethylene-Propylene-(Dien)-Monomer	<ul style="list-style-type: none"> <li>› Very good resistance to heat</li> <li>› Good mechanical properties and ozone-resistance</li> <li>› Not resistant to oil and grease</li> </ul>	
		<ul style="list-style-type: none"> <li>› EPDM super</li> <li>› EPDM/SBR 65° Shore A</li> <li>› EPDM/SBR 60° Shore A</li> <li>› EPDM heat</li> <li>› EPDM FDA / EU-compliant</li> </ul>	› Conveyer belts, DT 180 respectively 200 / DT (C) 170 respectively 190

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elastomer  
technology

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rubber  
conveyor  
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IIR	Isobutylene-Isoprene-Rubber	<ul style="list-style-type: none"> <li>› Good resistance to heat and chemicals</li> <li>› Not resistant to oil and grease</li> </ul>	
		› On request	› Conveyor belts, heat- and chemical resistant C / DT 150 respectively 210 (400) / DT (C) 170 respectively 190
VMQ	Vinyl-Methyl-Polysiloxan (silicone)	<ul style="list-style-type: none"> <li>› Very good heat resistance</li> <li>› Very good flexibility at low temperatures</li> <li>› Non-toxic when in contact with food products</li> </ul>	
		<ul style="list-style-type: none"> <li>› Silicone reddish-brown</li> <li>› Silicone transparent (FDA / EU compliant)</li> </ul>	› CeNit® 3825
PU*	Polyurethane	<ul style="list-style-type: none"> <li>› Excellent anti-wear-properties</li> <li>› Excellent tensile-strength</li> <li>› High flexibility</li> </ul>	
		<ul style="list-style-type: none"> <li>› PU D 44CeNit®</li> <li>› PU foam CeNit®</li> <li>› PU foamed</li> <li>› PUR 70° Shore A</li> <li>› PUR 80° Shore A</li> <li>› PUR 90° Shore A</li> </ul>	<ul style="list-style-type: none"> <li>› CeNit® 3642</li> <li>› CeNit® 3665</li> <li>› CeNit® 3674</li> </ul>
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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