



## Rubber Line

# Rubber & Seal

| International ID                            |                           | NR         | SBR   | IIR   | EPDM  | VMQ   | FVMQ  | CR    | NBR   | HNBR  | Unit  |       |
|---------------------------------------------|---------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Hardness, Shore A                           |                           | 30-90      | 35-95 | 30-80 | 30-90 | 20-30 | 30-80 | 25-90 | 30-95 | 45-98 |       |       |
| Mechanical characteristics<br>at room temp. | Tensile strength          |            | 6     | 5     | 4     | 3     | 3     | 5     | 5     | 6     | N/mm2 |       |
|                                             | Elongation at break       |            | 6     | 5     | 6     | 5     | 5     | 4-5   | 5     | 5     | %     |       |
|                                             | Resilience                |            | 6     | 4     | 1     | 5     | 5     | 2-3   | 4     | 3     | 4     | %     |
|                                             | Tear strenght             |            | 5     | 4     | 4     | 4     | 4     | 3     | 5     | 4     | 2-3   | N/mm2 |
|                                             | Abrasion resistance       |            | 5     | 5     | 3     | 2     | 2     | 2     | 4     | 5     | 6     | mm3   |
|                                             | Compr. set                | @high temp | 2-3   | 3     | 5     | 6     | 6     | 6     | 3     | 4     | 5     | %     |
|                                             |                           | @low temp  | 5     | 4     | 5     | 6     | 6     | 6     | 3     | 3     | 3     | %     |
| Thermal qualities                           | Flexibility at low temp.  |            | 5     | 4     | 5     | 6     | 6     | 5     | 4     | 3     | 4     | Note  |
|                                             | Heat resistance           |            | 1     | 2     | 3     | 6     | 6     | 5-6   | 3     | 3     | 5     | Note  |
| Resistance (to) Vol.%                       | Gasoline                  |            | 1     | 2     | 2     | 1     | 2     | 5     | 4     | 5     | 4     | Vol.% |
|                                             | Mineral oil (at 100°C)    |            | 1     | 2     | 1     | 5     | 5     | 5-6   | 4     | 6     | 5     | Vol.% |
|                                             | Acids (25% H2SO4@50° C)   |            | 3     | 3     | 6     | 3     | 3     | 4-5   | 5     | 5     | 6     | Vol.% |
|                                             | Alkaline (50% NaOH@50° C) |            | 5     | 5     | 6     | 2     | 2     | 4     | 5     | 1     | 4-5   | Vol.% |
|                                             | Water (at 100° C)         |            | 2     | 2     | 5     | 5     | 5     | 5     | 4     | 5     | 6     | Vol.% |
|                                             | Weather and ozone         |            | 3     | 3     | 4     | 6     | 6     | 6     | 5     | 2     | 6     | Note  |
|                                             | Light                     |            | 3     | 3     | 4     | 6     | 6     | 6     | 4     | 3     | 6     | Note  |
| Impervious to gas                           |                           | 2          | 3     | 6     | 1     | 1     | 4     | 4     | 5     | 5     | Note  |       |

## Description

- Customized rubber parts
- Use of base material in accordance with application requirements
- Liquid injection and compression moulding
- Grommets, seals, gaskets, plunger and moulded components with or without adhesives
- For special requirements see Lubricated Seals



## Advantages

- One preferred partner for plastic, rubber and silicone
- Assemblies possible, Integration into housing etc
- High quality tool shop



## Applications

- Seals / Gaskets
- Grommets
- Plungers & Bumpers
- Other moulded components



## Key Tech. Data

- NR - Natural Rubber
- SBR - Styrol-Butadien Rubber
- NBR - Nitrile-Butadiene RubberCR
- EPDM - Ethylen-Propylen-Diem Rubber
- IIR - Isobutylene-Isoprene Rubber
- CR - Chloroprene Rubber
- HNBR - Hydro-Nitrile-Butadien Rubber
- VMQ - Silicone Rubber
- FVMQ - Fluor-Silicone Rubber



## Contacts

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