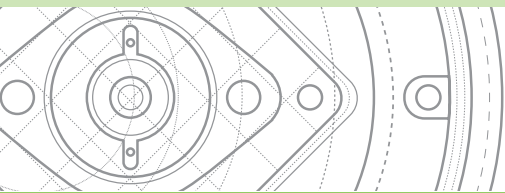




# ELASTOMER SEALS

**RANGE OF ELASTOMER SEALS QUALIFIED  
FOR USE IN HARSH ENVIRONMENTS  
RADIOSENSITIVE UP TO 1700 kGy**





# ELASTOMER SEALS

## NUCLEAR APPLICATIONS

Our elastomer gaskets come in a variety of forms and are **remarkably resistant to irradiation**. Designed specifically for nuclear applications, our range of seals has been rigorously qualified to **operate in radiosensitive environments**. Their versatility makes them suitable for both dynamic and static sealing, **guaranteeing reliable performance under extreme conditions**.

Our elastomer seals meet the chemical specifications of RCCM and PMUC, with halogen and sulfur content values below 200 ppm.

### RADIOSENSITIVE AMBIANCE QUALIFIED UP TO 1700 kGy

#### LATTY-E 48Z11 LY 1700

PMUC n° 17-0389

EPDM elastomer-based compound. **Suitable for:** ozone, oxygen, phosphoric ester-based hydraulic fluids, polar solvents (water, alcohols, glycols and ketones), steam and detergents. **Limited:** oils and hydrocarbons.

- ▶ **Operating temperatures** (extended service): From -40°C to 100°C in air under dynamic conditions and approx. -65°C under static conditions. From -40°C to 140°C in water
- ▶ **Operating temperatures** (limited service) : From -40°C to 150°C in dynamic air and approx. -65°C in static air. From -40°C to 170°C in water or steam

- ▶ **Hardness** (nominale) 80 Shore A
- ▶ **Breaking strength** 12 MPa
- ▶ **Breaking elongation** 200%
- ▶ **Tear strength** 33 KN/m
- ▶ **PDC\*** (70h at 100°C) 15%

#### LATTY ERD 0216A LY 1700

PMUC n° 17-0390

EPDM elastomer-based compound. **Suitable for:** ozone, oxygen and demineralized water. **Limited:** oils and hydrocarbons.

- ▶ **Operating temperature:** Up to 150°C continuous
- ▶ **Hardness** (nominale) 76 Shore A
- ▶ **Breaking strength** 5,5 MPa
- ▶ **Breaking elongation** 90%
- ▶ **PDC\*** (70h at 100°C) 3,2%
- ▶ **PDC\*** (70h at 150°C) 14,4%

### RADIOSENSITIVE AMBIANCE QUALIFIED UP TO 245 kGy

#### LATTY-VAM7Z11 LY 245

PMUC n° 17-0414

Compound based on ethylene rubber and methyl acrylate. **Suitable for:** non-aromatic oils, diesel and kerosene. **Limited:** concentrated acids, solvents, aromatic hydrocarbons, ketones.

- ▶ **Operating temperatures** (limited service) : From -20°C to 175°C
- ▶ **Operating temperatures** (extended service) : From -20°C to 150°C

- ▶ **Hardness** (nominale) 74 Shore A
- ▶ **Breaking strength** 13 MPa
- ▶ **Breaking elongation** 269%
- ▶ **Tear strength** 44 KN/m
- ▶ **PDC\*** (70h at 150°C) 15,1%

#### LATTY-P28CHZ11 LY 245

PMUC n° 17-0415

Hydrogenated nitrile rubber compound, designed for static and dynamic nuclear applications. **Suitable for** ozone and oils. Good mechanical properties, good thermal stability and excellent cold resistance.

- ▶ **Operating temperature** (extended service) : From -20°C to 150°C

- ▶ **Hardness** (nominale) 80 Shore A
- ▶ **Breaking strength** 15,2 MPa
- ▶ **Breaking elongation** 301%
- ▶ **Tear strength** 43 KN/m
- ▶ **PDC\*** (70h at 150°C) 15%

*\*Persistent Distortions after Compression*

LATTY international S.A. accepts no liability for the performance of our products in the event of faulty assembly or use which does not comply with the instructions given. LATTY international S.A. is only responsible for the quality of its products, and does not intervene in the assembly or installation, which must be carried out in accordance with the rules of the trade



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