

1. TITLE OF THE CERTIFICATE (ES)

Certificado de Profesionalidad de nivel 2 en
QUIT0309 OPERACIONES DE TRANSFORMACIÓN DE CAUCHO

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Professional Certificate Level 2 in
QUIT0309 RUBBER PROCESSING OPERATIONS
(This translation has no legal status)

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to carry out operations handling rubber and additives for the preparation of rubber and latex mixtures and their subsequent processing into products by means of moulding, injection, calendaring or extrusion and vulcanisation, as well as carrying out finishing operations on products, being responsible for the first-level maintenance and the quality of the materials and products obtained, in conditions of occupational, health and environmental risk prevention. This general competence is divided into the following **skills units** (UC):

- Prepare rubber and latex mixtures (UC0325_2).
- Prepare machines and installations for polymer processing (UC0326_2).
- Carry out processing operations on rubber and latex (UC0327_2).
- Carry out auxiliary and finishing operations on the rubber and latex processed articles (UC0328_2).

The professional skills are acquired through the **learning outcomes** defined within the related Training Modules (MF):

- Preparation of rubber and latex mixtures (MF0325_2).
- Preparation of polymer processing machines and installations (MF0326_2).
- Rubber and latex processing operations (MF0327_2).
- Auxiliary operations on finishing of the rubber and latex processed articles (MF0328_2)
- Practical training at the workplace in rubber processing operations (MP0154).

(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).

As a reference the learning outcomes include in the Practical training at the workplace that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Prepare and control mixtures of elastomers with ingredients, auxiliary products and specific equipment, according to the techniques, percentages set and tables of elemental characteristics.
- Assemble, disassemble and adjust moulds, matrices and heads of equipment in the polymer processing and moulding machines.
- Comply with the safety rules for people, materials and machines, following the rules for correct manufacture.
- Operate the installations and equipment according to the operation and control procedures used in the processing and vulcanisation of rubber and latex mixtures.
- Carry out finishing operations on manufactured rubber articles.
- Take part in the company's working processes, following the rules and instructions established at the workplace.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THIS CERTIFICATE

The holder of this certificate may work in rubber processing industries, tyre factories, automotive supplies companies, domestic appliances, footwear, production plants of raw materials for the rubber industry; and in laboratories, research centres and technical offices in related industries. This work is in the following sectors: the chemical industry, auxiliary automotive and domestic appliance industry, rubber processing industry and all those industries where the product or raw material used is elastomeric. The most pertinent occupations and positions are:

- Machine operator for the manufacture of rubber products, except tyres.
- Latex (rubber) processing equipment operator.
- Plastic and rubber processing machine operator.
- Tyre retreading machine operator.
- Tyre manufacturing checker.
- Rubber and latex product finishing machine operator.
- Tyre manufacturing machine operator, in general.
- Foam rubber cutting machine operator.
- Rubber mixing machine operator.
- Rubber cutting machine operator.
- Rubber polishing machine operator.
- Rubber extrusion machine operator.
- Rubber calendaring machine operator.
- Rubber grinding machine operator.
- Rubber and hybrid article assembler.
- Rubber stamp manufacturing machine operator.
- Operator of a vulcanisation machine for rubber articles (except tyres).
- Operator of a moulding-vulcanisation machine for rubber (except tyres).
- Tyre moulding machine operator.
- Tyre vulcanisation machine operator.
- Cylinder worker, presser, gluer.

The holder of this professional certificate has recognition of the basic level training in labour risk prevention, according to Annex IV of the Royal Decree 39/1997 of 17 of January approving the Labour Risks Prevention Act.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the national/regional authority providing accreditation/recognition of the certificate

The Ministry of Employment and Social Security or the corresponding autonomous regional administration within the scope of its competence, in the name of the King. The certificate is valid throughout Spain.

Level of the certificate

The Professional Certificate Level 2 of the National Repertoire of Professional Certificates corresponds to level 3 of the International Standard Classification of Education (ISCED-P 2011).

The European Qualification Framework (EQF) level:

Grading scale/Pass requirements

The grading scale and pass level of the training modules are expressed on a scale of 0 to 10. The minimum score for a pass is 5 in every training module including a pass in the practical training at the workplace module.

The grading system is as follows:

- FAIL: 0 to 4.9
- PASS-SATISFACTORY: 5 to 6.9
- PASS-GOOD: 7 to 8.9
- PASS-EXCELLENT: 9 to 10

5. OFFICIAL BASIS OF THE CERTIFICATE

Access to next level of education/training

This Professional Certificate Level 2 gives access to Professional Certificate Level 3 within the same professional area and family.

For validation purposes, the educational authorities will recognise the professional module or modules of the VET diplomas corresponding to the skills units included in the training modules of this certificate.

Legal basis

Royal Decree 719/2011 of 20 May, establishing ten professional certificates in the professional family Chemistry, which are included in the National Repertoire of Professional Certificates, and updating the professional certificate established as Appendix III of Royal Decree 1970/2008 of 28 November. (Appendix IV, Code: QUIT0309)

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

This certificate may be acquired by:

1. Training: Completion with a pass grade of the face-to-face or online training programme.
2. Recognition of the professional skills acquired through professional experience or non-formal training (prior learning): Completion of a process of skills evaluation and accreditation in all the skills units making up the professional certificate.
3. Dual training: Completion of a training and apprenticeship contract, which may range from 1 year (or 6 months, if stipulated as such in the collective agreement) to 3 years, during which effective working time is combined with time dedicated to training under the training programme for the professional certificate.

The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:

Description of vocational training received	Percentage of total programme (%)	Duration (hours)
Training modules	79	450
Practical training at the workplace	21	120
Total duration of training leading to the certificate		570

Entry/access requirements:

- Compulsory Secondary Education Diploma (Lower secondary education); or
- Professional Certificate Level 1 in the same professional area.
- If neither of the above or higher certifications are held, a pass in the key skills tests.

Additional information: Professional certificates are instruments for official accreditation of the professional qualifications in the National Catalogue of Professional Qualifications for all economic activities, within the scope of the labour administration. The National Repertoire of Professional Certificates is divided into three qualification levels (Level 1, Level 2 and Level 3), and by sectors into 26 professional families and 102 professional areas. More information is available at: www.sepe.es

National Europass Centre: www.oapee.es

(*) **Explanatory note:** This document is designed to provide additional information about the specified certificate, but has no legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates; and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information is available at: <http://europass.cedefop.eu.int>

Information on Professional Certificates of the Map of Qualifications and Vocational Training in Spain

