

Total, Quality, Rubber.

The seven fundamental aspects of IPC Pulex rubber production

The rubber blade is the most important part of any window cleaning squeegee, precisely because it is the part that comes into direct contact with the glass and the dirt. IPC Pulex only sells professional, high performance products, so its squeegee blades must offer the perfect combination of rubber type and composition, mix quality and cleaning action.

Seven fundamental aspects of production ensure that all IPC Pulex products meet these stringent requirements.

1. Only natural vulcanised rubber.

All IPC Pulex rubber is natural vulcanised rubber (NR). It is accurately Selected and subjected to organic and chemical testing at source to ensure that our raw materials are consistent and homogeneous.

2. All supplies from Malaysia.

Having only one source of supply for our raw materials means that we can ensure consistently high quality in our semi-finished materials. Analysis, purification and processing are all easier too.

3. 30 years of experience in micro-filtration.

Because our raw material has constant chemical and organic characteristics, we have been able to use our vast experience to develop a special micro-filtration process. This eliminates all impurities and vegetables residues using filter membranes with microscopic pores of 0.1 to 10 µm in diameter.

4. 30 years of experience in special additive mixing.

Delicate raw material processing, based on the admixture of special additives, eliminates all remaining impurities from the rubber. The process gives a mix with perfect molecular dispersion, reticulation, elasticity, action, resilience, hardness, weather and chemical resistance, and colour, and ensures a perfectly smooth, velvety surface.

5. Single, hot compression moulding.

The mix obtained from the previous production phase is moulded in a hot compression process, piece by piece, using a powerful press to produce strip of about a metre in length. Molecular compression eliminates all undesired substances that could weaken the end product, cause uneven grip between rubber and glass, or speed up blade perishing.

6. Single action cutting.

In the final phase of production, the rubber strips are cut in half in a press to give blades with superbly sharp edges. After further quality testing the blades are cut to the lengths required for the squeegees. Prior to assembly, blades are subjected to further optical, electronic, and computerised testing to ensure that their cleaning edge is perfectly straight.

7. Total quality control: each blade individually checked.

Testing ensures the perfection of the two cleaning edges obtained by cutting, and also makes sure that the area around the cutting edges is free from defects. These time consuming and laborious tests mean a large number of rejects but ensure the continued prestige of TQR (Total Quality Rubber). All rubber used in IPC Pulex window cleaning squeegees is Total Quality. IPC Pulex rubber blades are available in two hardnesses (standard and soft), to satisfy all possible window cleaning needs.



IPC
EAGLE

3650 Dodd Rd • Eagan, MN 55123
651.686.5399 • Fax 651.686.5695 •
800.486.2775 www.ipceagle.com

IPC Eagle Corporation Sales and Service Provided By: