

UBO

UP-6175B PLC Electric Heating Lab Rubber Two Roll Mixing Mill



Introduction:

The open mill is an open plastic material intermittent mixing device with two gaps arranged in parallel to adjust the gap between the rolls.

Its main function is to mix and plasticize the uniformly mixed raw materials to provide a mixed plasticized and uniform molten material for the calender. In the rubber mixing process, the open mill relies mainly on the extrusion and shearing action of the two relatively rotating drums on the rubber compound. After several times of kneading and mixing, the mixing process will also be accompanied by chemical action, which will make the rubber interior large. The molecular chain is broken, so that the various components inside the rubber compound are mixed and dispersed uniformly, and finally the purpose of rubber mixing is achieved.

Application:

Electric Heating Lab Rubber Two Roll Mixing Mill Mainly used in PVC, plastic and its products, polyolefin, film, coil, profile production and polymer blending, pigments, masterbatch, stabilizers, stabilizers and other industries, its main purpose is to test the raw materials after mixing, its physical changes, contrast. Such as: color dispersion, light transmission, the gloss of the surface of the material, its strength, plasticity, hardness and so on.

Feature:

1. Construction of mill rolls: drilled roll, bored roll, grooved roll
2. We can design speed ratio as per customers' formula and processing requirements.
3. Frame, frame cap and base are welded and treated by annealing for stress relieving.

4. Rolls material is chilled cast alloy iron which hardness is reach to 70HB.
5. Brake and emergency stop device can ensure the safety of personnel and equipment.
6. Auto feeding oil or grease lubrication, it is easy to maintain and protect machine.
7. Human nature designed controlling system ensure labor safety.
8. Methods of adjusting roll nip: manual or electric

Technical parameters:

Temperature range	normal temperature ~ 300 ° C
Temperature controller	LED digital display, button setting input, digital display output
Temperature accuracy	±3.5 °C
Heating method	electric heating tube
Heating time	about 30min at room temperature ~200°C
Revolving ratio	1:1.27
Roller size	Ø120× L320mm
Roller spacing	adjustable from 0.1 to 8mm
Roll surface	HRC 60 mirror chrome
Power	8KW device
Volume	990 × 390 × 1150 (W × D × H) mm
Power	3Φ, AC380V, 22A three-phase five-wire (customer-owned power supply port)
Weight	about 375kg