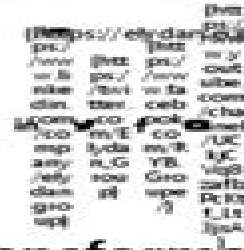


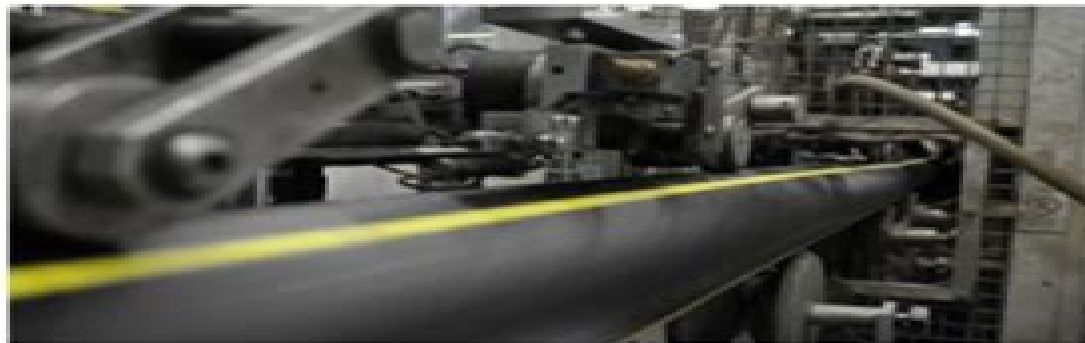


Discussion



Les techniques de transformation des plastiques

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Les techniques de transformation des plastiques dépendent de la nature des polymères et de la destination des produits finis. Quelques méthodes sont régulièrement utilisées pour la fabrication industrielle : l'injection, l'injection soufflage, l'extrusion, l'extrusion soufflage, le thermoformage.

- **Injection**

La matière plastique, sous forme de granulé, est versée dans une trémie pour alimenter une vis sans fin logée dans un tube chauffé. Elle y est comprimée, malaxée et chauffée. Ce traitement mécanique et thermique fournit une pâte fondante et homogène qui est poussée par la vis en rotation vers une buse de sortie. La matière expulsée sous pression par la vis d'injection à travers la buse vient remplir un moule fermé et refroidi. Au contact du moule froid, elle prend la forme et se solidifie.

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