



## Paraffin Wax

Paraffin wax is a white, odorless, and tasteless solid wax that is derived from petroleum. It is a mixture of hydrocarbons that are saturated and has a melting point between 45°C and 70°C



<b>Chemical formula</b>	$C_nH_{2n+2}$
<b>boiling point</b>	370 °C (698 °F)
<b>Melting point</b>	46 and 68 °C
<b>Molar mass</b>	352 g/mol
<b>density</b>	900 kg/m <sup>3</sup>
<b>Appearance</b>	white, odorless, tasteless, waxy solid

### SOME OF THE MAIN USES:

- PARAFFIN WAX IS USED IN THE COSMETIC INDUSTRY AS A MOISTURIZER AND EMOLIENT TO SOFTEN AND SOOTHE THE SKIN
- IN THE PHARMACEUTICAL INDUSTRY, IT IS USED AS A LUBRICANT FOR TABLETS AND CAPSULES
- IN THE FOOD INDUSTRY, IT IS USED AS A COATING FOR FRUITS AND VEGETABLES TO EXTEND THEIR SHELF LIFE
- IN THE PRODUCTION OF CANDLES BECAUSE IT HAS A LOW MELTING POINT AND CAN BE EASILY MOLDED INTO DIFFERENT SHAPES
- MANUFACTURING OF CRAYONS, COLORED PENCILS, AND PASTELS
- PRODUCTION OF RUBBER PRODUCTS SUCH AS TIRES, BELTS, AND HOSES
- USED AS A WATERPROOFING AGENT FOR FABRICS

