

# The Complete Technology Book on Candle Making & Designs

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Candles have been used for luminosity and to light up man's celebrations for more than thousand years. The ancient Egyptians have been credited with the honour of developing the first candle, who used rush lights or torches made by soaking the pithy core of reeds in melted animal fat. However, the rush lights had no wick like a true candle. The development of candle to the present stage went through several stages.

Candle making today has taken a shape of small scale industry. It has got attention of a lot of people. From celebrities to designers all are trying their hand in this emerging industry. One pertinent reason is that the use of candle now has not been confined only for devotional purpose or some special occasion. They are now a part of every single moment is it special or routine. They add a touch of warmth in the occasion and that does why have become largely popular.

Creativity has added a new spark to the candle making industry. Candle making is a very flourishing industry in modern times owing to the versatile use of candles on various occasions and ceremonies. Candles are prepared by well established methods in multifarious fascinating colours, designs and shapes. The book is one of the best seller and has chapters on:

Thermometer Weighing scales ,Measuring flask or jug ,Dipping can ,Bowl ,Iron, Hairdryer ,Pouring jug Materials ,Wicking needle ,Wick ,Wax , ,Dipping ,How to dipped candles Method ,More about dipping , Appliquéd candles ,Painting with wax ,Transfers ,Surface techniques Pressed flowers and grasses How to pressed flower candle Over dipping, etc.

This is one of its kind book which deals ostensibly with different candle making processes viz. Dipping, Pouring, Moulding or Casting and Drawing, delineating their technicalities in most illustrious manner with pictorial representations. The book will significantly add your knowledge if you are looking for comprehensive information on candle making industry to start their venture in said industry.

Introduction

Equipment and materials

Equipment

Heat source

Double boiler

Thermometer

Weighing scales

Measuring flask or jug

Dipping can

Bowl

Iron

Hairdryer

Pouring jug  
Materials  
Wicking needle  
Wick  
Wax  
Additives  
Wax glue  
Mould seal  
Dyes and perfumes  
Creating colour  
Using perfumes  
Common sense with wax  
Working with heat  
Fire safety  
Working with wax  
Preventing accidents  
Cleaning up  
How to begin  
Working with heat  
Priming wicks  
How to priming wicks  
Method  
Dipping  
How to dipped candles  
Method  
More about dipping  
Over dipping  
How to over dipping (blue on white)  
Method  
Hand finishing  
How to plaited candles  
Method  
How to twisted candles  
Method  
Rolling  
How to flared spiral candles  
Method  
Beeswax sheet  
How to tapered beeswax candles  
Method  
Hand modelling  
Perfumed wax flowers  
How to floating rose  
Method  
Wax fungi  
How to fly agaric toadstool  
Method  
Common sense with candles  
Fire Safety  
Workshop Wisdom  
Prevention  
Cure  
Dipped candles

Basic dipped candles  
Overdipped candles  
Spiral candles  
Using templates  
Floating candles  
Beeswax sheets  
Column candles  
Spiral candles  
Decorative candles  
Sand candle  
Stencilled candles  
Surface texture  
Appliqued candles  
Painting with wax  
Transfers  
Surface techniques  
Pressed flowers and grasses  
How to pressed flower candle  
Method  
Applique  
Inlays  
How to bulls eye candle  
Method  
Carving  
Method  
Dip and iron back  
Method  
Hammering  
Painting  
Novelty candles  
Whipped wax candles  
How to ice cream cone  
Method  
Birthday cake candles  
Balloon candles  
How to balloon candle  
Method  
Sand candles  
How to sand candle  
Method  
Water candles  
How to water candles  
Method Plunge  
Method Pour  
Ice candles  
How to ice candle  
Method  
Burning down  
Faults  
Dipping  
Casting in Moulds  
Advanced Surface Techniques  
Dip and carve

How to dip and carve candle  
Method  
Peeled Banana  
How to peeled Banana Candles  
Method Fruit  
Method skin  
Cutting corners  
How to basic techniques  
Method Dipping  
Method Cut and Curl Corners  
Method spirals  
Snakes  
Raw Materials  
The Fuel  
Paraffin Wax  
Stearine  
Micro Crystalline Wax  
Tallow  
Beeswax  
Vegetable Waxes  
The wick  
Candle Making Processes  
The Dipping Process  
Dipping  
Equipment Required  
The Pouring Process  
The Moulding or Casting Process  
Equipment Required  
Moulding  
The Candle Drawing Method  
Drawing  
Wax Melting  
Methods  
Heating Equipment  
Chemical Colours Used in Candles  
Candle Power  
Waxes used in Candles  
Selection of Good Quality Waxes  
Effect of Blending with Stearic Acid on m.pt  
Selected Formulations  
Foreign Type Candles  
Transparent Candles  
Procedure  
Milky Candles  
Procedure  
Procedure  
Procedure  
Procedur  
Milky White Candles  
Procedure  
Procedure  
Procedure  
Procedure

Procedure  
Procedure  
Purification of Wax  
Coloured Candles Manufacture  
Perfumed Candles  
Medicated Candles Mosquito Repellent Candles  
Formulation of Mosquito Repellant Candle  
Procedure  
Magic Candles  
Formulations for Coloured Flame Candles  
Procedure to Prepare Saturated Solution  
Petroleum Waxes  
Processes And Applications of Petroleum Waxes  
Introduction  
Manufacture of petroleum waxes  
Paraffin Wax  
Microcrystalline Wax and Petrolatum  
Composition of Petroleum Waxes  
Paraffin Wax  
Microcrystalline Wax and Petrolatum  
Physical Properties of Normal Alkanes  
Physical and Mechanical Properties of Waxes  
Physical Properties  
Mechanical Properties  
Toxicity of Petroleum Waxes  
Methods of testing paraffin waxes,  
Microcrystalline waxes, and petrolata  
Melting and Setting Point  
Colour  
Odour  
Oil Content  
Penetration (for Waxes ASTM D 1321 65)  
Tensile Strength (ASTM 1320 67; TAPPI T 644 os 67)  
Viscosity  
Industrial Applications of Petroleum Waxes  
Paper Packaging Materials  
\*Waxed paper  
\*Folding cartons  
\*Corrugated board  
\*Flexible packaging applications  
Application equipment for kiss coating and curtain coating  
Candles  
Polishes  
Matches  
Wax as a Base Material for the Chemical Industry  
Testing of Waxed Paper Products  
Water Vapour Permeability  
Resistance to Water  
Blocking of Waxed Papers  
Gloss and Gloss Stability  
Scuffing Resistance/Flaking  
Sealing Strength  
The Mineral Waxes

Petroleum  
Petroleum  
Properties  
Vaseline  
Adulteration  
Ozokerite  
Properties  
Uses  
The Natural Waxes  
Vegetable Waxes  
Carnaoba Wax  
Physical and Chemical Data  
Chemical Composition  
Adulteration  
Technical  
\*Source  
\*Yield  
\*Method  
\*Refinement  
\*Grades  
Candelilla Wax  
Animal Waxes  
Wool Wax  
General and Analytical  
Physical and Chemical Data  
Chemical Composition  
Technical  
Properties and Uses  
Beeswax  
General and Analytical  
Physical and Chemical Data  
Chemical Composition  
Adulteration  
Preliminary Test  
Technical  
Source  
Method of Obtaining Wax  
Refinement  
Spermaceti  
Insect Wax  
Bitumen Waxes  
Refinement  
Refinement by means of Nitric acid  
Candle Making Plant & Machineries with  
Photographs & Supplier Details  
Product Catalogue  
Directory Section  
Suppliers of Raw Materials  
A. Paraffinic Wax  
B. Supplier of Stearic Acid  
C. Crude Petroleum  
Plants & Machineries Suppliers/ Manufacturer  
Fractionating, Distillation Column : Reboilers

Condenser  
Storage Tanks  
Heat Exchanger  
Filter Press  
Boilers  
Thermometer  
For Moulding/Casting  
Water Bath  
Mixer 320

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