

# Candle Waxes

Innovative  
paraffin solutions

## Products in details

Our paraffin waxes are true all-rounders. While other products on the market are often subject to limitations, paraffin waxes from Hywax enable the production of every conceivable type of candle. Through a specific selection of raw materials, we can offer our customers a wide range of products to suit their specific needs.

To keep up with the ever-changing landscape of slack wax, our R&D department is continuously developing new blends to pave the way for alternative materials that can be used as new blend components in the future. To increase efficiency even further, we have already integrated many of our in-house products into various Hywax blends and will continue to do so.

In the table below you will find a list of our fully refined, hydrogenated (snow-white) paraffins. Due to their high quality, they are suitable for almost every production process or blending application. If you need help finding the right product, please contact our sales team and technicians. They will be happy to help you choose the perfect product for your needs.

### Universal paraffins - typical data

Product	Congealing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging
HYWAX 5403	54-56	0.0 - 0.5	16-20	29-30	Liquid, Slabs, Pastille
HYWAX 5601	56-58	0.0 - 0.5	14-18	29-30	Liquid
HYWAX 5603	56-58	0.0 - 0.5	15-19	29-30	Liquid, Slabs, Pastille
HYWAX 5801	58-60	0.0 - 0.5	14-18	29-30	Liquid
HYWAX 5803	58-60	0.0 - 0.5	15-19	29-30	Liquid, Slabs, Pastille
HYWAX 6003	60-62	0.0 - 0.5	16-22	29-30	Liquid

## Application Matrix

	Moulding	Powder Pressing	Extrusion	Container Filling	Drawing	Dipping	Blending, additivation and other
<b>Pillar candles</b>							
HYWAX 0155		•					
HYWAX 0716			•				
HYWAX 4110	•						
HYWAX 4126			•				
HYWAX 5480	○	•					
HYWAX 6243	•						
<b>Container candles</b>							
HYWAX 6213				•			
HYWAX 6214				•			
HYWAX 6220				•			
<b>Tapered candles</b>							
HYWAX 5405					•		
HYWAX 5605					•		
HYWAX 5706					•		
HYWAX 5805					•		
HYWAX 5880			•				
HYWAX 8461						•	
<b>Gravelights</b>							
HYWAX 0951	○						
HYWAX 0994	○						
HYWAX 5325	•						•
<b>Outdoor candles / Citronella</b>							
HYWAX T185	•			•			•
<b>Tealights</b>							
HYWAX 0951	•						
HYWAX 0990	•	•					
HYWAX 0994	•						
<b>Wick wax</b>							
HYWAX 6301					•		
HYWAX 6305					•		
HYWAX 8204					•		
<b>Finish</b>							
HYWAX KTM 23						•	
HYWAX KTM 40						•	
HYWAX 3977	•						
<b>Additives</b>							
HYWAX 7837							•
HYWAX 7881							•
VARAPLUS 06							•

- Product is designed for this application
- Product is also suitable for this application

## Pillar candles

Hywax waxes offer both high quality and flexibility. They can be easily processed using methods such as milling, moulding and powder pressing.

HYWAX 0716 and HYWAX 4126 are especially designed for extrusion applications. Due to their high level of plasticity, the waxes do not splinter, tear or deform during milling.

HYWAX 4110 and HYWAX 6243 are ideal for moulding. They offer excellent shrinking properties and do not leave any residue on the mould. HYWAX 0155 and HYWAX 5480 have a low viscosity and offer the perfect level of adhesion.

### Pillar candles

Product	Congealing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging	Comments
HYWAX 0155	54-56	0.0 - 2.0	21-26	28-30	Liquid	
HYWAX 0716	56-60	0.0 - 0.8	14-20	29-30	Liquid, Pastille	
HYWAX 4110	60-62	0.0 - 0.5	13-16	29-30	Liquid, Slab, Pastille	Contains FT wax
HYWAX 4126	58-61	0.0 - 0.5	15-19	27-30	Liquid, Pastille	
HYWAX 5480	54-58	-	12-16	28-30	Liquid, Slab	Contains FT wax
HYWAX 6243	55-57	-	14-19	27-30	Pastille, Powder	Contains stearic acid



## Container candles

Hywax paraffin blends are an excellent choice for container candles. Their low melting point and viscosity improve a candle's burning behaviour and when paired with the right wick, they ensure that the molten pool reaches the container's wall. The waxes can absorb a large amount of fragrance oil and offer a strong wall adhesion. Oil cannot diffuse in the waxes, so all the different substances will not separate while the container candle is burning. Hywax waxes are compatible with all common colours and fragrances used in the candle industry. You can pick our all-rounder and proven industry standard HYWAX 6213 or choose HYWAX 6214 if you want your candles to contain a higher percentage of fragrance.

### Container candles

Product	Congeaing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging
<b>HYWAX 6213</b>	45-49	-	40-80	5-30	Liquid, Slab
<b>HYWAX 6214</b>	45-50	-	40-80	5-30	Liquid, Slab
<b>HYWAX 6220</b>	47-52	-	80-120	24-30	Liquid, Slab



## Tapered candles

All our waxes offer the unique properties needed to produce high-quality tapered candles – regardless of whether they are meant for decorating Christmas trees, dinner tables or churches.

HYWAX 5405, 5605, 5706 and 5805 are suitable for drawing applications. HYWAX 5706 is especially ideal for tapered candles since it contains Fischer-Tropsch wax. It remains highly flexible during the production process and becomes hard as stone once the candle has set. HYWAX 5880 is a great choice for extruding tapered candles. Thanks to its high level of hardness, it will not bend easily. HYWAX 8461 is the perfect choice for all dipping processes and is often used for self-made candles.

### Tapered candles

Product	Congealing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging	Comments
HYWAX 5405	53-55	0.0 - 0.75	20-25	29-30	Liquid, Slab, Pastille	
HYWAX 5605	54-56	0.0 - 0.75	20-24	29-30	Liquid, Slab, Pastille	
HYWAX 5706	56-58	0.0 - 1.0	12-16	29-30	Liquid, Slab	Contains FT Wax
HYWAX 5805	58-60	0.0 - 0.5	19-23	29-30	Liquid, Slab, Pastille	
HYWAX 5880	59-63	0.0 - 0.5	12-16	28-30	Liquid, Pastille	Contains FT Wax
HYWAX 8461	57-60	0.0 - 0.75	13-17	29-30	Pastille	

## Gravelights

Paraffin waxes with a low congealing point are particularly suitable for the production of gravelights. Depending on the production process, Hywax offers three grades of waxes that that can be used as fuel for gravelights.

### Gravelights

Product	Congealing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging
HYWAX 0951	48-52	0.0 - 5.0	30-50	28-30	Liquid, Slab
HYWAX 0994	51-54	0.0 - 3.5	30-42	28-30	Liquid
HYWAX 5325	52-54	1.0 - 5.0	40-60	25-30	Liquid, Slab

## Outdoor candles and citronella

Thanks to the large wooden wick and its strong burning ability, a broad variety of materials can be used as fuel in outdoor candles. HYWAX T 185 is highly sustainable since it is produced with residual materials from our manufacturing processes.

### Outdoor candles and citronella

Product	Congealing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging
HYWAX T185	50-70	-	-	-	Liquid, Slab

## Tealights

Hywax waxes are the go-to option for the production of votive, scented or coloured tealights and maxi-lights. Their low-melt properties make it especially easy to work with thin wicks and thus achieve optimal burning times. Hywax waxes are also able to absorb any fragrance, so you can add any scent you like. On top of that, the snow-white appearance means you can add any colour to give your tealights the perfect look.

### Tealights

Product	Congealing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging
HYWAX 0951	48-52	0.0 - 5.0	30-50	28-30	Liquid, Slab
HYWAX 0990	52-55	0.0 - 2.0	22-30	28-30	Liquid
HYWAX 0994	51-54	0.0 - 3.5	30-42	28-30	Liquid



## Wick wax

Hywax waxes allow you to speed up the process of waxing your wicks while maintaining a high quality level. Even when a candle has a high melting point the waxed wick remains upright in a molten pool of wax. HYWAX 6305 stays flexible at low temperatures and is the right choice for machines with extremely high output rates.

### Wick wax

Product	Congeealing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging	Comments
HYWAX 6301	68-70	-	14-18	24-30	Slab, Pastille	Universal
HYWAX 6305	65-69	-	18-22	24-30	Pastille	Flexible
HYWAX 8204	66-70	-	10-14	24-30	Slab	Hard

## Finish

With Hywax KTM (candle dipping mass) you can create a beautiful surface with shiny or non-glossy appearance, depending on your production process. The optimum viscosity guarantees a homogeneous distribution of colour pigments. The resulting candles are bubble-free and have high thermal stability. HYWAX 3977 is a blend of micro and paraffin wax that is highly flexible and perfect for ornamental and relief art.

### Finish

Product	Congeealing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging	Comments
HYWAX KTM 23	61-63	-	12-16	28-30	Liquid, Slab	-
HYWAX KTM 40	55-58	-	12-17	28-30	Liquid, Pastille	-
HYWAX 3977	69-72	-	14-18	20-30	Slab, Pastille	No RAL



## Additives

Hywax additives allow you to easily alter the hardness and add flexibility or transparency to your candles. For example, VARAPLUS 06 makes it easier to unmould candles and grants them a glossier and firmer surface. Adding a small amount (1-5 %) is all you need to achieve your desired effect.

### Additives

Product	Congealing Point °C	Oil Content %	Penetration 25°C (0.1mm)	Saybolt Color	Packaging	Comments
HYWAX 7837	70-80	0.0 - 2.5	25-30	20-30	Liquid, Slab	No RAL
HYWAX 7881	80-90	-	20-40	24-30	Liquid, Slab	-
VARAPLUS 06	59-61	-	1-6	2-30	Pastille	-

## Why choosing Hywax

Hywax supplies first-class products offering many benefits for the user. Our products are available all over the world. In addition, our technical expertise extends from Hamburg to all destinations, either directly or through our contacts and sales partners. Our production facilities and processes benefit from our constant efforts to improve and innovate. We are constantly improving the efficiency and sustainability of all our products through state-of-the-art research and development. Every Hywax blend is of high quality and is made without any palm oil.

### State-of-the-art facilities

### Certified and approved quality

### Efficient and sustainable

It goes without saying that our company maintains an integrated management system. We are certified in accordance with DIN EN ISO 9001 (quality), DIN EN ISO 14001 (environment) and OHSAS 18001 (occupational health and safety). Furthermore, the majority of Hywax waxes comply with the quality-related requirements set out by the RAL.



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