ExxonMobil

Prowaxx™ 1292 SR

ExxonMobil Specialties , Germany

Product Description

Prowaxx 1292 SR is a low melt point, hydrotreated paraffin wax that is compositionally engineered to a narrow melt point to ensure it works effectively as the paraffin component in plant-based candle formulations. The optimized oil content makes it well equipped at minimizing syneresis in container candle blends, providing good glass adhesion and allowing for higher fragrance loads. It is a translucent crystalline material in the solid state and water white with low viscosity when molten. It is derived from petroleum via a carefully controlled refining process that yields a consistent low and narrow melt point to ensure manufacturing versatility across all candle production types.

Hydrogenation ensures Prowaxx 1292 SR is produced with high purity and exceeds the requirements of RAL for the manufacture of indoor candles.

ExxonMobil waxes are produced and controlled according to the ExxonMobil Product Quality Management System, EN ISO 9000 or equivalent standard.

Features and Benefits

* User must check compliance with applicable regulations

Features	Advantages and Potential Benefits
Defined narrow melt point range	Enables faster melting to enhance fragrance throw Manufacturing versatility for all candle types
Optimized oil content	Excellent glass adhesion for container candles Minimizes syneresis (oil bleed) Allows for higher fragrance loads
Controlled molecular composition	Enables consistent formulation with plant based candle waxes
Colourless in liquid state	Achieves true dye colour representation across all dyes, providing formulation flexibility
Low to no odour	Excellent hot and cold fragrance throw
Excellent UV stability	Enables improved product stability with low to no tendency to turn yellow
Oxidation resistance	Ensures a superior shelf life
Balanced hardness	Delivering candle production versatility and flexibility (container, pillar, cores and pressed)
Blendability	Consistent creamy, smooth appearance when blended with plant based waxes

Applications

Prowaxx 1292 SR can be used in the following applications subject to applicable laws and regulations in each jurisdiction* :
• Container candles and internal cores
• Pillar candle blends and internal cores
• Poured and pressed tealights
• Outdoor candles (Graveyard / Citronella)
• Wax blends and emulsions

* User must check compliance with applicable regulations

Regulations and Claims

This product is registered to the requirements of:
RAL-GZ 041

Properties and Specifications

Property	Standard Method(a)	Min	Max
ASTM Saybolt D156 Color (ASTM D6045 Acceptable)	ASTM D6045	+25	
Oil Content, wt%	ASTM D721		2.5
Melting Point, °C	ASTM D87	52.0	56.0
Flash Point, Cleveland Open Cup, °C	ASTM D92	200	
Needle Penetration, 25 C, 0.1 mm	ASTM D1321		55
Odor, Wax	ASTM D1833		1

Note 1: Products are certified on release to meet the values specified. Actual values may deviate within the established reproducibility of the test method specified.
Note 2: For purpose of determining conformance with specification, observed or calculated values shall be rounded off to the nearest unit in the last significant digit used in expressing the limiting value in accordance to the ASTM E 29 method
(a) In lieu of standard test method, alternate test methods may be used for the certification of a product property.

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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