

# ExxonMobil waxes designed for candle applications

## Parvan™ fully refined paraffin waxes

## Sales specifications and typical\* properties

Product name	Melting point			% Oil content		Kinematic visc.		Needle pen. 0.1mm		Saybolt color	Flash point
	°C	°F	°F	wt%		@ 100°C cSt	25°C-77 °F		Min	COC°C (°F)	
ASTM Test method (a)	Min/Max	Min/Max	Typical*	Min/Max	Typical*	Typical*	Typical*	Typical*	Min	Min	
		D87		D721	D445		D1321		D156-D6045	D92	
<b>PARVAN™ 1270</b>	51.7-53.3	125-128	126	0.5	3.4	16	108	+28	204(400)		
<b>PARVAN™ 1290</b>	52.8-54.4	127-130	129	0.5	3.5	15	106	+28	204(400)		
<b>PARVAN™ 1310</b>	53.9-55.6	129-132	130	0.5	3.6	16	110	+28	204(400)		
<b>PARVAN™ 1330</b>	55.6-57.2	132-135	133	0.5	3.7	16	85	+28	204(400)		
<b>PARVAN™ 1341</b>	55.6-57.2	132-135	133	0.5	3.9	15	100	+28	204(400)		
<b>PARVAN™ 1380</b>	57.8-59.4	136-139	137	0.6	4.1	16	66	+28	204(400)		
<b>PARVAN™ 1381</b>	57.8-59.4	136-139	137	0.6	4.0	14	55	+28	204(400)		
<b>PARVAN™ 1402</b>	58.0-61.0	136.4-141.8	139	0.7	4.3	15	56	+28	210(410)		
<b>PARVAN™ 1420</b>	60.0-62.2	140-144	140	0.6	4.6	15	47	+28	210(410)		
<b>PARVAN™ 1451</b>	61.1-63.9	142-147	144	0.5	4.9	15	38	+28	210(410)		
<b>PARVAN™ 1470</b>	62.8-65.0	145-149	146	0.7	5.4	13	34	+26	210(410)		
<b>PARVAN™ 1471</b>	62.8-65.0	145-149	147	0.5	5.2	15	33	+28	210(410)		
<b>PARVAN™ 1520</b>	66.1-68.3	151-155	152	0.8	6.3	16	34	+26	220(428)		
<b>PARVAN™ 1540</b>	67.2-69.4	153-157	155	0.8	6.6	13	34	+26	220(428)		
<b>PARVAN™ 1580</b>	68.9-73.3	156-164	159	0.75	7.5	15	36	+26	220(428)		

These Parvan waxes meet: FDA Purity Requirements of 21 CFR 178.3710 and Cold Odor Specification of 1 max by ASTM D1833.

## Waxrex™ semi-refined paraffin waxes

## Sales specifications and typical\* properties

Product name	Melting point			% Oil content		Kinematic visc.	Needle pen. 0.1mm	Saybolt color	Flash point
	°C	°F	°F	wt%		@ 100°C cSt	25°C-77 °F	Min	COC°C (°F)
ASTM Test method (a)	Min/Max	Min/Max	Typical*	Min/Max	Typical*	Typical*	Typical*	Min	Min
		D87		D721	D445		D1321	D156-D6045	D92
<b>WAXREX™ 1270</b>	52.0-57.0	125.6-134.6	127	2.5	2	3.7	55 [max]	+25	200(392)
<b>WAXREX™ 1280</b>	51.6-53.6	124.9-128.5	128	5-7	—	3.7	29	+28	204(400)
<b>WAXREX™ 1281</b>	51.0-56.0	123.8-132.8	—	0-5.0	—	3.7	54	+28	204(400)

Note: Waxrex 1270 is produced in Europe (Port-Jerome Granvenchon, France) and all other candle waxes are produced in North America (Baton Rouge plant).

(a) In lieu of a standard test method, alternate test methods may be used for the certification of a product property.

\*ExxonMobil only guarantees the product specifications of its waxes as defined in the Product Data Sheets. These data provided are not necessarily indicative of future production.

The quality of ExxonMobil wax products is controlled by a combination of internal proprietary requirements.

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 the purpose of determining conformance with specification, observed or calculated values are rounded off to the nearest unit in the last significant digit used in expressing the limiting value in accordance to the ASTM E29 method.

For the most up-to-date specifications, please visit [www.exxonmobil.com/pds](http://www.exxonmobil.com/pds).