



2780 Waterfront Pkwy. E. Dr. Suite 200 Indianapolis, IN 46214  
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## INTELLIGENT GEL TECHNOLOGY TYPICAL PROPERTIES

	Viscosity @ 25° C (cps)	Viscosity @ 110° C (cps)	Viscosity @ 130° C (cps)	Specific Gravity @ 25° C	Saybolt Color D-156	Flash Point ° C ASTM D-92
<b>Versagel® M (Mineral Oil)</b> Mineral Oil (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer						
M-200	20,000	-	-	0.85	+30	>175
M-500	50,000	-	-	0.85	+30	>175
M-750	75,000	-	-	0.85	+30	>175
M-1600	160,000	-	-	0.85	+30	>175
<b>Versagel® MC (Isohexadecane)</b> Isohexadecane (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer						
MC-750	42,000	-	-	0.80	+30	>104
MC-1600	58,000	-	-	0.80	+30	>104
<b>Versagel® MD (Isododecane)</b> Isododecane (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer						
MD-500	25,000	-	-	0.73	+27	>43
MD-1600	43,000	-	-	0.73	+27	>43
<b>Versagel® ME (Hydrogenated Polyisobutene)</b> Hydrogenated Polyisobutene (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer						
ME-500	60,000	-	-	0.82	+30	>165
ME-750	100,000	-	-	0.82	+30	>165
ME-1600	177,000	-	-	0.82	+30	>165
ME-2000	260,000	-	-	0.82	+30	>165
<b>Versagel® MG (Hydrogenated Polydecene)</b> Hydrogenated Polydecene (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer						
MG-750	73,000	-	-	0.82	+28	>175
<b>Versagel® ML (C12-C15 Alkyl Benzoate)</b> C12-C15 Alkyl Benzoate (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer						
ML-750	105,000	-	-	0.92	+29	>148
ML-1600	280,000	-	-	0.92	+29	>148
<b>Versagel® MN (Isononyl Isononanoate)</b> Isononyl Isononanoate (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer						
MN-750	130,000	-	-	0.85	+24	>135
MN-1600	297,000	-	-	0.85	+24	>135
<b>Versagel® MP (Isopropyl Palmitate)</b> Isopropyl Palmitate (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer						
MP-500	53,000	-	-	0.86	+27	>195
MP-750	110,000	-	-	0.86	+27	>195
MP-1600	177,000	-	-	0.86	+27	>195
<b>Versagel® R (Mineral Oil)</b> Mineral Oil (and) Butylene/Ethylene/Styrene Copolymer						
R-500	-	96	-	0.87	+27	>175
R-750	-	260	-	0.87	+27	>175
R-1600	-	500	-	0.87	+27	>175
<b>Versagel® P (Petrolatum)</b> Petrolatum (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer						
P-100	-	500	-	0.87	Opaque	>150
P-200	-	5,700	-	0.87	Opaque	>150
<b>Versagel® S (Hydrogenated Polyisobutene)</b> Hydrogenated Polyisobutene (and) Butyl Stearate (and) Isostearyl Alcohol (and) Butylene/Ethylene/Styrene Copolymer (and) Ethylene/Propylene/Styrene Copolymer (and) Dibutyl Lauroyl Glutamide						
S-1000	-	-	35	0.82	Opaque	>165

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**Manufacturing Location**  
 Karns City, Pennsylvania USA

### ISSUED VERSAGEL® PATENTS

#### Health & Beauty Aid Compositions

- United States	5,221,534	(Jun. 22, 1993)
- Europe	0/626,855	(Jan. 17, 2001)
- Canada	2,128,423	(Jun. 15, 1999)
- Japan	2,921,986	(Apr. 30, 1999)

#### Solid and Semi-Solid Hydrocarbon Gels

- United States	6,340,467	(Jan. 22, 2002)
- Australia	717,789	(Jul. 13, 2000)
- New Zealand	313,378	(Jul. 6, 2000)
- Singapore	561,121	(Nov. 16, 1999)

#### Hydrocarbon Gels as Suspending and Dispersing Agents

- United States	6,433,068	(Aug. 13, 2002)
- Australia	734,440	(Sep. 27, 2001)

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Rev 04.05.11

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