

BELSIL® REG 1103 B

SOLUBILITY AND COMPATIBILITY

Solubility of BELSIL® Silicone Elastomer Resin Gels in Different Solvents and Monomers

Hydrocarbons	
C9-13 Isoparaffin	●
Hydrogenated Polydecene	○
Isododecan	●
Mineral oil	○
Esters	
C12-15 Alkyl Benzoate	○
Diethylhexyl Carbonate	● *
Ethylhexyl Stearate	○
Isopropyl Myristate	● *
Ethers	
Dicaprylyl Ether	● *
UV-Filters	
Ethylhexyl Methoxycinnamate	○
Ethylhexyl Salicylate	○
Fats and Oils	
Caprylic/Capric Triglyceride	○
Macadamia Ternifolia Seed Oil	○
Olea Europaea (Olive) Fruit Oil	○
Ricinus Communis (Castor) Seed Oil	○
Triticum Vulgare (Wheat) Germ Oil	○
Soluble (> 10%)	●
Miscible (> 10%)	● *
Insoluble	○
Emulsifying Agents / Alkoxylated Alcohols	
Polyglyceryl-2 Sesquiossearate	○
PPG-2 Myristyl Ether Propionate	● *
Sorbitan Trioleate	○
Alcohols and Water	
Alcohol	○
Water	○
Glycerin	● *
Isopropyl Alcohol	● *
Oleyl Alcohol	○
Propylene Glycol	○
Silicones	
Disiloxane (BELSIL® DM 0.65)	● *
Dimethicone (BELSIL® DM 1 plus)	● *
Dimethicone (BELSIL® DM 5)	●
Dimethicone (BELSIL® DM 10)	● *
Dimethicone (BELSIL® DM 350)	● *
Trimethylsiloxyphenyl Dimethicone (BELSIL® PDM 20)	● *
Trimethylsiloxyphenyl Dimethicone (BELSIL® PDM 1000)	● *
Phenyl Trimethicone (BELSIL® PF 22)	● *

Soluble: a clear, homogeneous solution is formed

Miscible: both substances got diluted and form a homogeneous but turbid mixture

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