

BELSIL[®] eco REG 1102

SOLUBILITY AND COMPATIBILITY

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

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

Soluble (> 10%)



Partially miscible (1 - 10%)



Miscible (> 10%)



Insoluble



Soluble: a clear, homogeneous solution is formed

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