Technical Data Sheet

Allcosil 460

Introduction:

Allcosil 460 :

- Is a highly active Food Grade silicone emulsion, with a 60% active content.
- Is an effect product designed for food processing applications.
- Is certified Kosher and Parev by the Manchester Beth Din

Uses:

Allcosil 460 is used primarily as an Anti-Stack/ De-nesting/ Slip agent for the thermoforming food packaging industry.

Allcosil 460 is very effective in high solids content process, where conventional silicone antifoams are found limited in performance.

Allcosil 460 can also act as a generic lubricant for many mould release applications.

Typical Characteristics:

Product Description			
	Appearance	Off-white, free-flowing emulsion.	
Composition			
	Substance	**% by Weight**	
	Polydimethlysiloxane polymer (Active content)	60%	
	Emulsifier (non-ionic)	5-7%	
	Continuous phase	32-36%	
Properties			
	Description	**Unit**	**Value**
	Density @ 25°C	g cm^{-3}	Approx. 1.0
	pH		3.5 – 6.5 approx.
	Viscosity of base fluid @ 25°C	mm^2/s	350

Application/ How to Use:

Allcosil 460 can be applied as supplied or diluted. A suitable diluent is Water, preferably below 30°C and preferably soft.

Allcosil 460 disperses easily in hot and cold aqueous systems.

For thermoform food packaging industry, Allcosil 460 should be applied evenly to the plastic sheets (e.g. PET) before being thermoformed into packaging.

Storage:

Allcosil 460 should be stored in clean, sealed containers between 5 and 30°C. It should not be allowed to freeze.

Shelf life for this product is 12 months

Allcosil Ltd.
Ambrose Street,
West Gorton,
Manchester, M12 5DD,
United Kingdom.

Registered in England and Wales No: 16560414

Tel. 0161 223 7181
Fax. 0161 223 0173
Email: ja@allcocks.co.uk
Website: www.allcocks.co.uk

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Regulatory Compliance:

Allcosil 460 complies with the following

- EU Regulation 10/2011: plastic materials and articles intended to come into contact with food
- FDA 21 CFR 176.170, 176.180: components of paper or paperboard in contact with foods
- FDA 21 CFR 181.28: Release agents
- FDA 21 CFR 176.200 and 176.210: Defoaming agents used in the manufacture of paper / paperboards and coatings

Additional Information:

Allcosil 460 also comes with an optional stabilising additive to be added at a rate of 1 litre per 1,000 litres of diluted emulsion. This additive stops the pH change and so prevents the emulsion splitting.

Health & Safety:

Detailed advice on the Health & Safety aspects of this product is given in the individual product l Safety Data Sheet (SDS), available upon request.

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