



Hypax OM 72-40

Oxidised microcrystalline wax

Product description

Hypax OM72-40 is an oxidised microcrystalline wax designed as an intermediate for the preparation of oil or solvent soluble metal preservative coatings by reaction with alkali metal oxides to make “soaps” or by reacting with alcohols to form esters. Soaps or esters are often used in conjunction with sulphonates to give long term protection to metal objects subject to atmospheric weathering. Coatings made using Hypax OM 72-40 soaps are tough, hard and very water repellent.

Typical analysis

Property	test	units	Typical analysis
Appearance	Visual		Orange solid
Acid number	ASTM D - 974	mgKOH/g	50
Saponification value	ASTM D - 94	mgKOH/g	80
Flash Point	ASTM D - 92	°C	170
Relative Density	@20 °C		0.94
Melting point	ASTM D - 127	°C	74

Application

Hypax OM 72-40 can be reacted with over based barium or calcium sulphonates or calcium hydroxide, sodium hydroxide to form soaps. Reaction vessels must be charged at no more than 60 % of their total volume to handle the foaming which results during neutralisation. Final temperature must be above 120 C to remove water of reaction.

Hypax OM 72-40 can also be reacted with alcohols to make esters and can be reacted with amines to produce self emulsifying rust preventives. The recommended shelf life of this product is 2 years.

Packaging

Hypax OM 72-40 is available in 165 Kg net weight steel drums or as required by customer.

Fulbeck Limited, Fulbeck Road, Newton Aycliffe. DL5 6TX. UK

Tel 0044 (0) 1325 314848. Fax 0044 (0) 1325 314969. admin@fulbeck.uk.com

This information is supplied in good faith to assist customers to assess the applicability of the material in their own products. No warranties are implied or given. DU120411