Hypax OM 72-40

Oxidised microcrystalline wax

Product description

Hypax OM 72-40 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 D974	mg KOH/g	50
Saponification value	ASTM D94	mg KOH/g	100
Flash point	ASTM D92	°C	170
Relative density	@20°C		0.94
Melting point	ASTM D127	°C	74

Application

Hypax OM 72-40 can be reacted with overbased barium, calcium sulphonates, calcium hydroxide or 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.

Packaging

Hypax OM 72-40 is available in 165Kg net weight steel drums or as required by the customer. The recommended shelf life of this product is 2 years.

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