



Polyethylene VS4480

High Density Polyethylene for Stretched Tape

Description

VS4480 is a medium molecular weight, high density polyethylene for stretch tape production, based on blown film.

Applications

VS4480 gives strong and flexible tapes with low fibrillation tendency suitable for twines, ropes, raschel knitted and woven fabrics.

Physical Properties

	Typical Value*	Unit	Test Method
Density	948	kg/m ³	ISO 1183D/ISO 1872-2B
Melt Flow Rate (190°C/2.16 kg)	0.50	g/10 min	ISO 1133

- * Data should not be used for specification work.

Processing Guidelines

VS4480 should be processed on HD-extruders in order to obtain optimal performance in extrusion and subsequently good mechanical properties of the film.

Recommended extrusion conditions:

Temperature:	190 - 230°C
Blow Up Ratio	1.1 - 1.5

Storage and handling

VS4480 should be stored in dry conditions at temperatures below 50°C and protected from UV light.

Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of the product.

Safety

VS4480 is not classified as dangerous preparation.

Dust and fines from the product carry a risk of dust explosion. All equipment should be properly earthed. Inhalation of dust should be avoided as it may cause irritation of the respiratory system. Small amounts of fumes are generated during processing of the product. Proper ventilation is therefore required.

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