

Maleic Anhydride modified polyethylene

Description

OREVAC® 18410P is a maleic anhydride modified polyethylene adhesive resin, used in the manufacturing of three layers MDPE or HDPE coating for steel pipeline. It is a powder product.

Main applications

OREVAC® 18410P is mainly used in pipe coating to have good adhesion performances between epoxy primer and MDPE or HDPE.

OREVAC® 18410P combined with MDPE or HDPE and a proper epoxy fulfill the requirement of different applications standards such as NFA 49-710 or DIN 30670.

Typical characteristics

Caractéristiques	Value	Unit	Test Method
Melt index (190°C / 2,16 kg)	3.2	g/10mn	ISO 1133
Melting temperature	126	°C	DSC
Vicat softening point (1 kg)	110	°C	ISO 306
Density	0.931	-	ISO 1183

Physical characteristics

Caractéristiques	Value	Unit	Test Method
Stress at yield ⁽¹⁾	12.4	MPa	ISO R 527-2
Elongation at break ⁽¹⁾	≥ 500	%	ISO R 527-2
Shore D Hardness	59	At t=0s	ISO 608
Sieve analysis	>400µm : <28%		
	400-315µm : <25%		
	315-125µm : <65%		
	<125µm : <10%		

⁽¹⁾ Measurement done on samples prepared from compressed molded sheet (speed test 10mm/min.)

Processing

Powder sintering or gun-spray projection can apply **OREVAC® 18410P**.
Extrusion conditions depend on the equipments and on the line configuration.

Security / Precautions of use

OREVAC® 18410P must be stocked in dry conditions below than 50°C and protected from UV rays. Improper storage conditions can cause degradation and have consequences on the physical properties of the product.

Shell life is 2 year from the production date.

A safety data sheet is available close to your correspondent ARKEMA or on the site www.arkema.com under heading FDS.

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