

THENE®

低密度聚乙烯塑膠原料 Low Density Polyethylene Resins NA205-15



特性

百塑烯 NA205-15 是一種低密度聚乙烯，專為不同材質，如紙張、玻璃紙、鋁箔、聚烯烴膜、多元酯膜及尼龍膜而發展的擠壓塗膠 PE 塑膠。

NA205-15 對於不同材質也擁有良好的黏著性，例如對紙張的黏著力跟非多孔性材料如玻璃紙、鋁箔一樣好。

NA205-15 的防潮性很好，加上良好的熱封性，是極佳的塗膠材料。

NA205-15 加工性及流動性良好，塗膠邊緣皺縮少，而且能高速塗膠並可減少塗膠過程中的損失。

應用

1. 擠壓塗膠

Characteristics

PAXOTHENE NA205-15 (LDPE) is specially developed for extrusion coating on various substrates such as paper, cellophane, aluminum foil, polyolefin film, polyester film and nylon film.

NA205-15 also possesses excellent adhesion to a variety of porous substrates such as paper as well as non-porous substrates such as cellophane and foil. Low moisture-vapor transmission rates in combination with excellent heat sealability makes NA205-15 a good coating material.

Concerning processability, good flow characteristics and low neck-in of NA205-15 provide high line speed and reduce the loss of resin in the extrusion coating.

Applications

1. Extrusion Coating

物理性質 Physical Properties

項目 Properties	試驗方法 Test Method	數 值 Typical Value
密度 Density (g/cm ³)	ASTM D1505	0.919
熔融指數 Melt Index (g/10min)	ASTM D1238	3.0
降伏點抗張強度(薄膜) (kg/cm ²) Yield Point Tensile Strength (Film) MD/TD	ASTM D882	92/92
斷裂點抗張強度(薄膜) (kg/cm ²) Break Point Tensile Strength (Film) MD/TD	ASTM D882	195/157
斷裂點伸長率(薄膜) (%) Ultimate Elongation(Film) MD/TD	ASTM D882	330/540
抗衝擊強度*(落下實驗)克/半數破壞 Impact Strength(Dart Drop) g/F50*	ASTM D1709	98
混濁度/光澤度(60°) Haze/Gloss(60°)	ASTM D1003/D523	6.0/100
抗低溫脆裂性 Low Temperature Brittleness(°C/F50)	ASTM D746	<-76
衛氏軟化溫度 Vicat Softening Point(°C)	ASTM D1525	100
熔點 Melt Point (°C)	DSC	109
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	53

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