



百塑烯 NA112-27 低密度
PAXOTHENE NA112-27 PE 塑膠
Low Density Polyethylene Resin

技 術 資 料

臺灣聚合化學品股份有限公司

密度 : 0.919 g/cm³
熔融指數 : 3.0 g/10 min
加工方法 : 吹膜擠壓(適合吹製
0.020~0.100mm 厚之
PE 膜), 壓縮成型

特性及用途

百塑烯 NA112-27 熔融指數低, 韌性好, 適合吹製 0.020~0.100mm 厚的 PE 膜, 以供製造手提袋、非肥皂袋、垃圾袋、加工食品袋、冷藏袋、編織袋之內襯袋、木器玩具用袋、夾鏈袋及收縮包裝之用。因為韌性好, 所以單位包裝重量可達 10kg 左右。

百塑烯 NA112-27 具有中潤滑性, PE 袋口很容易打開, 使用方便。

又因光澤度好, 混濁度低, 作為非肥皂袋、加工食品袋、冷藏袋、夾鏈袋, 及收縮包裝時, 可提高包裝物的商品價值。

百塑烯 NA112-27 亦可壓縮成型以製造切菜板。

百塑烯 NA112-27 符合美國食品藥物管理局(FDA)的規定, 可安全地使用於食品應用。

Technical Data Sheet

USI CORPORATION

Density : 0.919 g/cm³
Melt Index : 3.0 g/10 min

Processing Method : Blown-film Extrusion
(especially of 0.020~0.100mm film),
Compression Molding

Characteristics and Applications

PAXOTHENE NA112-27 possess low melt index and good toughness especially suitable for films with thickness of 0.020~0.100 mm. The said films are for package of shopping bags, detergent powder bags, garbage bags, food bags, frozen bags, liner of woven sacks, wooden toy bags, re-closable bags and shrink packaging applications. The toughness of film extruded from PAXOTHENE NA112-27 permits its use for packaging up to about 10kg load.

PAXOTHENE NA112-27 is formulated with medium slip to give easy openability of film. High gloss and low haze characteristics of blown film made from PAXOTHENE NA112-27 provide attractive appearance to the packaged goods thus more valuable.

PAXOTHENE NA112-27 is also suitably used for compression molding to produce chopping board. PAXOTHENE NA112-27 meets the requirements of the U.S. Food Drug Administration regulation. It can be safely use for food application.

加工條件

機器：螺桿直徑 50mm，長徑比 24，轉速 60rpm，驅動馬達 20HP。
模頭直徑 100mm，底進螺旋式，模口間隙 0.75mm。
過濾網 40×80×80×40 目
溫度：擠筒 120，140，180
模頭 165
熔料 165
背壓：150kg/cm²
吹袋比：2.1
抽拉速度：12.6M/min.
袋厚×袋寬：0.038mm×330mm
冷線高度：40cm
出量：18.6kg/hr
註：1.經過電子表面處理，即可獲得良好印刷效果。
2.最適熱封溫度：210

Processing Condition

Machine：screw diameter 50mm, L/D 24, screw speed 60rpm, Main drive 20HP.
Die diameter 100mm, Spiral type, Die gap 0.75mm.
Screen packs：40×80×80×40 mesh
Temperature：Cylinder 120，140，180
Die 165
Melt 165
Back pressure：150kg/cm²
Blow-up ratio：2.1
Take-off speed：12.6M/min
Bag thickness×Bag width：0.038mm×330mm
Frost line distance：40cm
Out-put：18.6kg/hr
Remarks：1.Good printability can be obtained with electronic surface treatment.
2.Optimum Heat Sealing Temperature：210

物理性質：

Physical Properties:

項目 Properties	試驗方法 Test Method	數 值 Typical Value
降伏點抗張強度 (縱向/橫向)(kg/cm ²) Tensile Strength at Yield (MD/TD)	ASTM D882	91/91
斷裂點抗張強度 (縱向/橫向)(kg/cm ²) Tensile Strength at Break (MD/TD)	ASTM D882	190/154
伸長率 (縱向/橫向) (%) Elongation (MD/TD)	ASTM D882	340/550
抗撕力 (縱向/橫向)(g/mil) Tear Strength (MD/TD)	ASTM D1922	100/90
抗衝擊強度 (g/F50%) Dart Impact Strength	ASTM D1709	110
混濁度/光澤度 (60°角) Haze/Gloss (60° angle)	ASTM D1003/D523	6/100

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