

Days: 30

**Item to be scouted:** Polypropylene - 3015 Resin Pellets

**Item description:** Polypropylene will be used to produce prescription medication caps, which must be certifiable at 16CFR-1700.

**NAICS code:** 325211

#### Technical Information

**Type of supplier being sought:** Contract manufacturer

**Reason for scouting submission:** Re-shore

#### Summary of technical specifications and performance requirements -

**Describe the manufacturing processes (elaborate to provide as much detail as possible):** Injection molding - 8 cavity tools; followed by automated print and assembly of each part

**Provide dimensions / size / tolerances / performance specifications for the item:** 3015 resin specs (see attached spec sheet)

**List required materials needed to make the product, including materials of product components:**  
3015 resin specs (see attached spec sheet)

**Are there applicable certification requirements?:** Must meet Child Resistant / Senior Friendly certification - 16CFR part 1700.

**Are there applicable regulations?:** 3015 resin meets the FDA regulations 21CFR - 177.1520 for food contact

**Are there any other standards, requirements, etc.?:** No

**Additional Comments:** As a start-up, price is very important. This product will be introduced through D2C sales. The target customer is B2B domestic and global pharmacies, government agencies (ie. VA, Medicare, etc.), insurance providers, etc. Product will be featured soon on a new TV program similar to QVC. Will need initial stock of 1000 units as a program requirement.

#### Business Information - Volume and pricing

**Estimated potential business volume:** 1000 lbs/mo (12,000 lbs./yr)  
**Estimated target price / unit cost information (if unavailable explain):**  
\$0.80 to \$1.40 per pound

#### Delivery requirements

-----

**When is it needed by?:** May 1, 2023

**Describe packaging requirements:** Bulk packaging - pellets

**Where will this item be shipped?:** North St. Paul, Minnesota, 55109

**Is there other information you would like to include?:** Product is manufactured in Minnesota. Prefer vendor to be as close as possible to minimize shipping costs.

FIRST CHOICE - material used when tested for 16CFR-1700 certification.

## 台塑聚丙烯塑膠 FORMOSA POLYPROPYLENE



### 永嘉烯 YUNGSOX 3015

#### 耐衝擊共聚物 IMPACT COPOLYMER

##### 用途 Applications

- 油漆桶 Pail
- 運動器材 Sports appliance
- 行李箱 Base of luggage
- 載重容器 Heavy duty container

##### 特性 Characteristics

- 高衝擊強度 High impact strength
- 低溫脆性優 Excellent resistance to low temperature brittleness
- 剛性佳 Good stiffness

##### 物性 Typical Properties

項目 Properties	單位 Unit	檢驗方法 Test Method	平均值 Typical Value
熔融指數 Melt Index	g/10min	ISO1133	2
密度 Density	g/cm <sup>3</sup>	ISO1183	0.90
熔點 Melting Point	℃	DSC	---
熱變形溫度 Heat Deflection Temperature	℃	ISO75	110
軟化點溫度 Vicat Softening Temperature	℃	ISO306	145
降伏點拉力強度 Tensile Strength at Yield	Kg/cm <sup>2</sup>	ISO527	280
斷裂點伸長率 Tensile Elongation at Break	%	ISO527	450
洛氏硬度 Rockwell Hardness	R scale	ISO2039	95
剛性係數 Flexural Modulus	Kg/cm <sup>2</sup>	ISO178	11,200
IZOD 衝擊強度 IZOD Impact Strength	Kg.cm/cm notch	ISO 180	23℃ 50
			-20℃ 13
收縮率 Mold Shrinkage	%	FPC Method	1.3-1.7

本表數據為代表值，僅供選擇品級用途之參考

The details given in this data sheet are our standard value but not specification guaranteed.

##### FDA認可 FDA Approval

永嘉烯 3015 符合美國食品及藥物管理局 21 CFR 177.1520 之規範，可直接與食物接觸。

Yungsox 3015 resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

##### UL認證 UL Certification

永嘉烯 3015 通過美國 UL 94HB 認證，UL 檔案編號: E216959。

Yungsox 3015 is certified with UL 94HB, UL file no.: E216959.

July 2008

技術服務 Client service 電話 TEL: 886-7-6419911 ext. 313 傳真 FAX: 886-7-6425581