



技術資料表
Technical Data Sheet

ATCF TYPE

環保綠能回收循環-咖啡渣系列

Environmental protection and green energy recycling - coffee grounds series

樹脂 Resin	PP Polypropylene	
規格 Grade	ATCF513-K1	ATCF543-K5
來源 source	上禾伸企業	

描述 Description

咖啡渣循環再生經濟，邁向產業零廢棄，再生的天然廢棄物，回收再製應用，產品廢棄後仍可回收回歸產業鏈再製生產，確保地球有限的資源能以循環再生、永續方式被使用，形成一個友善的經濟及產業系統。且能不危害能保護地球，與自然環境友善共處。

PP 塑料加入咖啡渣後，相關產品無毒不傷害人體可以除臭、抗潮、預防蟲害，不只能回收環保再利用，也可提高產品的附加價值性。

The recycling economy of coffee grounds is moving towards zero waste in the industry. Regenerated natural waste can be recycled and remanufactured. After the product is discarded, it can still be recycled and returned to the industrial chain for remanufacturing, ensuring that the limited resources of the earth can be used in a cyclical and sustainable manner. Form a friendly economic and industrial system. And it can protect the earth without harming it, and live in harmony with the natural environment.

After PP plastic is added to coffee grounds, the related products are non-toxic and harmless to the human body. They can deodorize, resist moisture, and prevent pests. They can not only be recycled and reused for environmental protection, but also increase the added value of the product.

規格性簡介 Introduction to Specifications and Features

ATCF513-K1 · 單一礦物粉%數低填充 · 抗拉身强度高 · 彎曲強度低 · 外觀純粹。

Single mineral powder % low filling, high tensile strength, low bending strength, pure appearance.

ATCF543-K5 · 數種礦物粉%數高填充 · 抗拉身強度低 · 彎曲強度高 · 外觀多變化。

Several kinds of mineral powder are filled with high percentage, low tensile strength, high bending strength, and many changes in appearance.

成型模式	射出成型
Forming mode	Injection Molding



特性 Properties

ATCF 規格	ATCF513-K1	ATCF543-K5
項目 Project	標準數值	
單位 Unit / 測試標準 Testing standards	Typical Value	
比重 Specific Gravity g/cm ³ / ASTM D792	0.96	1.05
流動指數 MFR,(MI) 230×2.16KG g/10min / ASTM D1238	19	18.5
收縮率-平行 Mold Shrinkage MD	1.3~1.7	1.2~1.6
收縮率-垂直 ⊥ Mold Shrinkage TD % / 3 mm t		
耐燃性 Flammability	HB	HB

機械特性 Mechanical properties

伸張降伏強度 Tensile Strength at Yield kg/ cm ² / ASTM D638	300	260
伸張斷裂強度 Tensile Strength at Break kg/ cm ² / ASTM D638	200	180
斷裂伸張率 Tensile Elongation at Break % / ASTM D638	11	8.2
彎曲強度 Flexural Strength kg/ cm ² / ASTM D790	430	400
彎曲模數 Flexural Modulus kg/ cm ² / ASTM D790	14000	15600
衝擊強度(缺口式)IZOD Impact (notched) 23°C kg-cm/cm / ASTM D256	3.0	3.0
硬度 Rockwell/Shore Hardness D ASTM D2240	66	62

熱力特性 Heat properties

熱變型溫度 18.54kg/ cm ² H D T °C / ASTM D648	115	114
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成型條件 Molding conditions

烘乾溫度 Drying temp. °C	100	烘乾時間 Drying time H	3
進料區溫度 Feed zone temp. °C	185~195	壓縮區溫度 Compression zone temp. °C	190~200
計量區溫度 Metering zone temp. °C	190~205	噴嘴溫度 Nozzle temp. °C	190~210
模具溫度 Mold temp. °C	60~100	射出壓力 Injection pressure Kg/ cm ²	300~700

*雖然上述信息是出於善意並被認為是準確的，但我們不保證依賴此類信息取得令人滿意的結果，並且不承擔因使用此類信息而引起的任何損失或損害的全部責任。*以上數值係僅供選擇用途品級之參考。

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