

# 环保再生PCR PC/PET KCA9371NH

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## 材料介绍

Post-Consumer Recycle (PCR) Ecoblend® KCA9371NH是一款含有72.05% PCR材料含量的无卤阻燃PC合金。作为一款高PCR含量的环保材料，KCA9371NH具有与通用无卤阻燃PC/ABS相同的模具收缩率，能够与现有阻燃PC/ABS共模具生产。KCA9371NH满足RoHS, Reach, Proposition65等法规要求，拥有稳定的阻燃性能及优异的机械性能，广泛应用于，打印机、电脑及消费电子产品。

## 1. 产品性能

### 产品特点

1. 72.05% PCR含量
2. 无卤阻燃 UL94 V0
3. 符合欧盟ROHS、Reach要求
4. 满足EPEAT要求
5. 优异的品质稳定性

### 常规物性

Properties	Standard	Condition	Unit	KCA9371NH 72.05%PCR	无卤阻燃 PC/ABS
Density	ASTM D792	23°C	g/cm <sup>3</sup>	1.2	1.2
Mold Shrinkage	ASTM D955	23°C, 48hr	%	0.4-0.6	0.4-0.6
Melt Index	ASTM D1238	265°C×2.16kg	g/10min	33	/
Tensile Strength	ASTM D638	50mm/min	MPa	54	55
Flexural Strength	ASTM D790	3mm/min	MPa	82	80
Flexural Modulus	ASTM D790	3mm/min	MPa	2300	2300
Notched Izod Impact	ASTM D256	1/8' , 23°C	J/m	600	650
HDT	ASTM D648	1.82MPa, 120°C/h	°C	76	80
Flammability	UL-94	1.6mm	Class	V-0	V0
		1.6 mm	Class	5VB	5VB

Note: Typical values for uncolored products, not specifications.

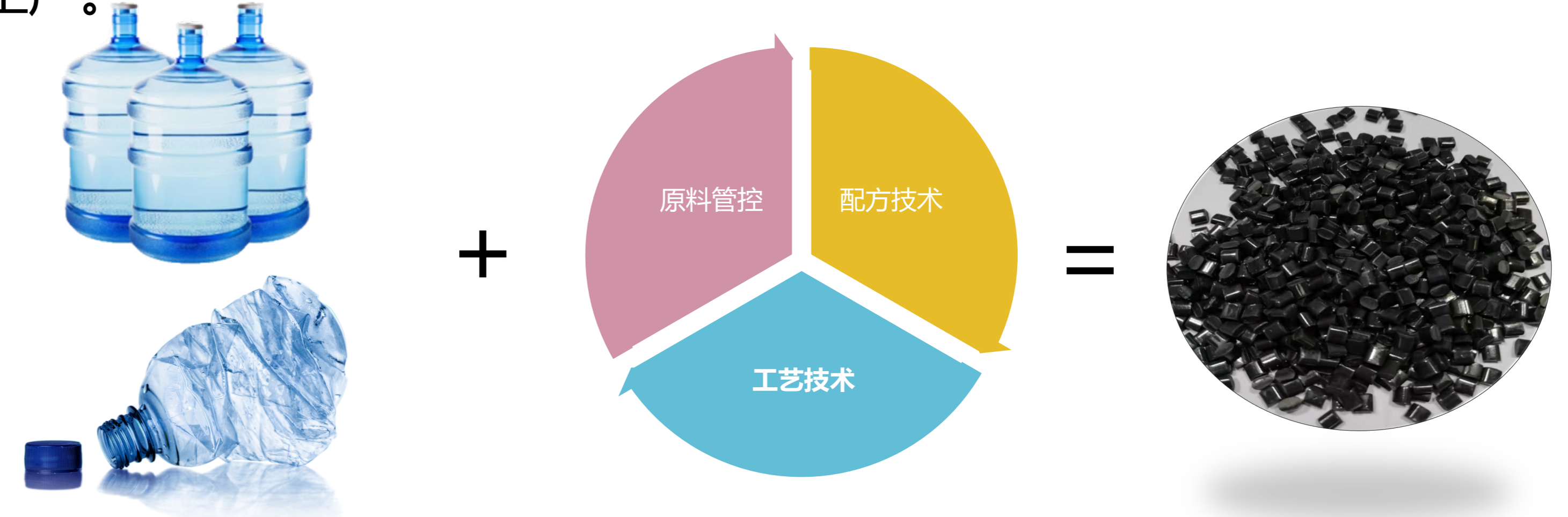
### 加工参数

Processing Parameters	Value	Unit
<b>Pre-treatment</b>		
Drying Temperature	78-90	°C
Drying Time	4-6	hour
Maximum Moisture Content	0.02	%
<b>General Guidelines</b>		
	Rear	230-260 °C
Barrel Temperature	Middle	240-270 °C
	Front	240-270 °C
Nozzle		245-265 °C
Melt Temperature		240-270 °C
Mold Temperature		50-80 °C

## 2. 产品认证及应用

### 产品路径

KCA9371NH回收使用高品质聚碳酸酯及来源于矿泉水瓶的PET树脂，PCR含量高达72.05%。通过原料管控、配方技术及工艺技术保证PCR材料稳定生产。



### 相关认证

#### UL94黄卡

Component - Plastics		E254819						
SHANGHAI KUMHO SUNNY PLASTICS CO LTD 1399 JISAO RD, HUACAO TOWN, MINHANG DISTRICT, SHANGHAI 201107 CN								
<b>KCA9371NH</b> 72.05% Recycled Polycarbonate/Polyethylene terephthalate (PC/PET)								
Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str	
ALL	1.6	V-0, 5VB	2	0	75	75	75	
	2.0	V-0, 5VB	2	0	75	75	75	
Comparative Tracking Index (CTI): 2					Inclined Plane Tracking (PT): -			
Dielectric Strength (kV/mm): -					Volume Resistivity (10 <sup>10</sup> ohm-cm): -			
High-Voltage Arc Tracking Rate (HVTR): -					High Volt, Low Current Arc Resis (D495): -			
Dimensional Stability (%): -								
ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.								
Report Date: 2014-08-13			© 2014 UL LLC			UL US		
Last Revised: 2014-08-13								



### 应用范围

#### 办公设备



#### 家用电器



#### 消费电子

