



HYDROCARBON RESINS

石油树脂

山东博科拓克新材料科技有限公司

Address: 山东省济南市历城区舜泰广场 6 号楼 1021 室 邮政编码: 250100

Website: www.boctokchemical.ru

Email: mack.y@boctokchemical.ru/yuxiaobingboctok@126.com

Mobile/WeChat: +86 15564102659

Whatsapp: +86 18100381861

SHANDONG BOCTOK CHEMICAL CO., LTD

山东博科拓克新材料有限公司



Shandong Bocktok Chemical Co., was established in 2012 as a marketing and sales center for Bocktok™ domestic and foreign businesses, achieving sales of USD280 million in 2023.

Bocktok has three main product categories, the first main business organosilicone covers twelve series of silane coupling agents and crosslinking agents including Amino silane, Methacrylate silane, Epoxy silane, Vinylsilane, Mercapto silane, Alkyl silane, Ethyl Silicate, Chlorine silane, Isocyanatesilane, Phenyl silane, Ureido silane and Sulfur silane. Bocktok also focus on silicon oil, silicon resin and silicon rubber, covering High hydrogen content silicone oil, dimethicone, vinyl silicone oil, Polyphenylmethyldimethylsiloxane, Phenyl silicone oil, Silanol silicone oil and OH polymer, Alkoxy silicone oil, Methyl MQ resin, Vinyl VMQ resin, Room temperature vulcanized methyl silicone rubber, 110 methyl vinyl silicone rubber, 120 methyl phenyl rubber. They are widely used in glass fiber, electronics, wind power, daily necessities, chemical industry, coatings, adhesives, XLPE Electrical cables and hot water pipes, oilfield drilling, textiles, rubber and casting, etc. to improve the quality and performance of applied products.

Bocktok's main business of the second category is petroleum resin, we invested a key hydrocarbon resin manufacturer in China. At present time, we have three hydrocarbon resin plants in operation in total and they are located in Zibo, Fushun and Nanjing. Taking advantages of the reliable and abundant feed stock resources available in SINOPEC and Petro China, the perfect production facility and years of marketing experience our products are widely used by our clients, including many fortune 500 companies in both domestic and abroad markets. Covering C9 hydrogenated resins, C5 hydrocarbon resins, C5 modified C9 hydrocarbon resins, C9 hydrocarbon resins, C9 hydrocarbon resins, Dicyclopentadiene, Methyl Cyclopentadiene Dimer.

Bocktok also concentrated on agrochemical industry. Covering pesticide intermediates and raw materials, fungicide, insecticide, seed treatment, herbicide, Plant Growth Regulator and so on.

Recently, Bocktok invested USD 65 million build a new production plant which is located in Bohai Industrial Park, a provincial chemical industry park in Shouguang City, Shandong Province, to expand the product chain of silane coupling agents, with 6 DCS automatic production lines with an annual output of 30,000 tons of silane coupling agent. The production lines in the new factory are equipped with DCS automatic remote-control operating system, SIS safety instrument system and other, safety facilities, ISO9001 quality management system standards are implemented throughout the process to ensure stable quality. Environmental protection treatment facilities including waste gas collection and treatment system and sewage treatment system have been built.

Bocktok's Products are sold all over China, and exported to North America, Europe, Japan, South Korea, Australia, South America, the Middle East, India, Southeast Asia, Russia, etc., well trusted by custom.

山东博科拓克化工有限公司初创于 2012 年，是博科拓克™ 国内外业务的营销和销售中心，2023 年实现销售额 2.8 亿美元。

博科拓克主要有三大产品门类，第一大类有机硅业务涵盖了硅烷偶联剂、硅油、硅树脂及硅橡胶。硅烷偶联剂涵盖了氨基硅烷、甲基丙烯酸酯硅烷、环氧硅烷、乙烯基硅烷、巯基硅烷、烷基硅烷、硅酸乙酯、氯硅烷、异氰酸酯硅烷、苯基硅烷、脲基硅烷、硫基硅烷等十二个系列的硅烷偶联剂和交联剂。博科拓克还专注于硅油、硅树脂和硅橡胶，涵盖高氢硅油、二甲硅油、乙烯基硅油、聚苯基甲基二甲基硅氧烷、苯基硅油、硅烷醇硅油和 OH 聚合物、烷氧基硅油、甲基 MQ 树脂、乙烯基 VMQ 树脂、室温硫化甲基硅橡胶、110 甲基乙烯基硅橡胶、120 甲基苯基硅橡胶。广泛应用于玻璃纤维、电子、风电、日化品、化工、涂料、胶粘剂、交联聚乙烯电缆及热水管道、油田钻井、纺织、橡胶、铸造等领域，提高应用产品的质量和性能。

博科拓克的第二类主要业务是石油树脂，我们在中国联营了一家重点的碳氢树脂生产厂家。目前，我们在淄博、抚顺共有两个碳氢树脂生产基地。凭借中国石化和中国石油可靠丰富的原料资源，完善的生产设备和多年的营销经验，我们的产品被客户广泛使用，包括许多世界 500 强企业在国内外市场。涵盖 C9 氢化树脂、C5 烃树脂、C5 改性 C9 烃树脂、C9 烃树脂、C9 烃树脂、双环戊二烯、甲基环戊二烯二聚体。

博科拓克还专注于农用化学工业。包括农药中间体及原料药，杀菌剂、杀虫剂、种子处理剂、除草剂、植物生长调节剂等

近日，博科拓克投资 6500 万美元在山东省寿光市省级化工园区渤海工业园区新建了硅烷偶联剂生产厂，扩大了硅烷偶联剂的生产链，拥有 6 条 DCS 自动化生产线，年产 3 万吨硅烷偶联剂。新厂生产线配备 DCS 自动遥控操作系统、SIS 安全仪表系统等安全设施，全过程执行 ISO9001 质量管理体系标准，确保质量稳定。建有废气收集处理系统、污水处理系统等环保处理设施。

博科拓克产品畅销全国各地，并远销北美、欧洲、日本、韩国、澳大利亚、南美、中东、印度、东南亚、俄罗斯等国家，深受客户信赖。

Main Products and Fields of Application

BOCTOK QH series	C9 hydrogenated resins Non-Woven Fabric, Hot Melt Adhesive, Hot Melt Pressure Sensitive Adhesive, Solvent Base Pressure Sensitive Adhesive, Plastic Modification, etc
BOCTOK H series	C5 hydrocarbon resins Hot Melt Road Marking Paint, Hot Melt Adhesives, Pressure Sensitive Adhesives Packaging Tapes, Rubber Compounding, etc.
BOCTOK G series	C5 modified C9 hydrocarbon resins Hot Melt Adhesives, Pressure Sensitive Adhesives, Woodworking Adhesives, Packaging Adhesives, Sealants, Rubber Compounding, etc.
BOCTOK L series	C9 hydrocarbon resins Industrial Paint, Varnish, Printing Ink, Adhesives, Asphalt Modification, etc.
BOCTOK R series	C9 hydrocarbon resins Industrial Paint, Rubber Compounding, Adhesives, etc.
BOCTOK DCPD	Dicyclopentadiene Unsaturated Polyester Resin (UPR), Adamantane, Ferrocene, Glutaraldehyde, Norbornene, Carbamate, Fire Retardant, Pesticides, High-Energy Fuels, etc.
BOCTOK MCPD	Methyl Cyclopentadiene Dimer Methyl-cyclopentadienyl-Manganese-Tricarbonyl (MMT), Methyl Nadic Anhydride (MNA)

主要产品及应用领域

BOCTOK QH 系列	碳九氢化树脂 无纺布、热熔胶、热熔压敏胶、溶剂型压敏胶、塑料改性等
BOCTOK H 系列	C5 石油树脂 热熔路标漆，热熔胶，压敏胶，包装胶带，橡胶混炼等
BOCTOK G 系列	C5 改性 C9 石油树脂 热熔胶，压敏胶，木工胶，包装胶，密封胶，橡胶混炼等
BOCTOK L 系列	C9 石油树脂 工业涂料，清漆，印刷油墨，胶黏剂，沥青改性等
BOCTOK R 系列	C9 石油树脂 工业涂料，橡胶混炼，胶黏剂等
BOCTOK 双环戊二烯	双环戊二烯 不饱和树脂，金刚烷，二茂铁，戊二醛，降冰片烯，氨基甲酸酯，阻燃剂，杀虫剂，高能燃料等
BOCTOK 甲基双环戊二烯	甲基双环戊二烯 甲基茂基三羰基锰 (MMT)，甲基那迪克酸酐 (MNA)



Hydrogenated Resins 氢化石油树脂

BOCTOK QH series

BOCTOK QH series are water-white thermoplastic aromatic resins produced from naphtha derived C9 fraction through catalytic-polymerization and hydrogenation technique. They are granular solids with colorless and transparent.

Key Characteristics

- Colorless and Odorless
- Good Compatibility with Base Polymer such as SIS, SBS, EVA etc.
- Good Heat Stability and Good weather resistance. • Low Volatility

BOCTOK QH 系列

BOCTOK QH 系列是水白色热塑性芳香族树脂，以乙烯裂解装置副产的 C9 馏分为原料经催化聚合和氢化工艺而制得，产品外观为无色透明颗粒状固体。

产品特性

- 无色透明、无气味
- 与 SIS, SBS, EVA 等基础树脂相容性好
- 良好的热稳定性和良好的耐候性
- 低挥发份



Specifications 产品规格

Grade 规格	Item 项目	Softening Point软化点, ①℃	Color Hazen# 色号 黑曾 #, ②	Heat Stability 热稳定性 Gardner# 200℃, 5hrs	Melt Viscosity 熔融粘度 200℃, cps	Acid Value 酸值 KOH mg/g	Specific Gravity 比重 (25/25, C)	Remarks 备注
QH-1100		100±3	Max 50	Max 1	Max 200	Max 0.11	0.00-1.08	
QH-1125		125±3	Max 50	Max 1	Max 600	Max 0.11	0.00-1.08	
QH-1100P		100±3	Max1(Ga#)	Max 3	Max 200	Max 0.11	0.00-1.08	
QH-1125P		125±3	Max1(Ga#)	Max 3	Max 600	Max 0.11	0.00-1.08	
Test Method	ASTM E28 ASTM D1209 ASTM D1544 ASTM D3236 ASTM D974 ASTM D1475							

① Ring&Ball 环球法 ② 50%resin solids in toluene 树脂：甲苯 =1:1

Applications

Non-Woven Fabric, Hot Melt Adhesive, Hot Melt Pressure Sensitive Adhesive, Solvent Base Pressure Sensitive Adhesive, Plastic Modification, Polyolefin Modification

应用领域

无纺布、热熔胶、热熔压敏胶、溶剂型压敏胶、塑料改性、聚烯烃改性

Aliphatic Resins 脂肪族石油树脂

BOCTOK H series

BOCTOK H series are thermoplastic aliphatic resins obtained from polymerizing C5 fraction derived from the by-product of thermal cracking of naphtha. They are transparent granular solids with the color of light yellow.

Key Characteristics

- Good Compatibility with SIS,SBS,AOPO
- Good Compatibility with Natural Tackifier such as Terpene and Rosin
- Good Heat Stability and Weather resistance
- Good Performance in improving adhesives' Viscosity and Open time.

BOCTOK H 系列

BOCTOK H 系列是热塑性脂肪族石油树脂，以乙烯裂解装置副产的 C5 馏分为原料制得，产品外观为淡黄色半透明颗粒状固体。

产品特性

- 与 SIS SBS AOPO 相容性好
- 与萜烯树脂、松香树脂等天然增粘树脂相容性好
- 良好的热稳定性与耐候性
- 能够显著改善热熔胶的粘度和开放时间



Specifications 产品规格

Item Grade 规格	Softening Point软化点, ①℃	Color ② Gardner# 色号 加德 纳 #	Heat Stability 热稳定性 Gardner#,at 200℃,3hrs	Melt Viscosity 熔融粘度 200℃,cps	Acid Value 酸值 KOH mg/g	Specific Gravity 比重 (25/25℃)	Remarks 备注
H-1100R	100±5	Max5	8	Max200	Max3.0	0.96-1.03	Acid Modified 酸 改性
H-1100A	100±5	Max5	8	Max200	Max0.3	0.96-1.03	
H-1095A	95±5	Max5	8	Max200	Max0.3	0.96-1.03	
H-2100A	100±5	Max5	8	Max200	Max0.3	0.96-1.03	C9 Modified C9 改性
H-2095A	95+5	Max5	8	Max200	Max0.3	0.96-1.03	C9 Modified C9 改性
Test Method 检测方法	ASTM E28 ASTM D1544 ASTM D1544 ASTM D3236 ASTM D974 ASTM D1475						

① Ring & Ball 环球法 ② 50%resin solids in toluene 树脂：甲苯 =1:1

Applications 应用领域

Applications 应用领域	Suggested Grades 建议使用的产品规格
Hot Melt Road Marking Paint 热熔路标漆	H-1100R
Hot Melt Adhesives 热熔胶	H-1100A,H-1095A,H-2100A,H-2095A
Pressure Sensitive Adhesives 压敏胶	H-1100A,H-1095A,H-2100A,H-2095A
Packaging Tapes 包装胶带	H-1100A,H-1095A,H-2100A,H-2095A
Rubber Compounding 橡胶混炼	H-1100A,H-1095A,H-2100A,H-2095A

C5 Modified C9 Resins C5 改性的 C9 石油树脂

BOCTOK G series

BOCTOK G series are aliphatic modified aromatic resins obtained from copolymerizing of C5 and C9 fraction that derived from the by-product of thermal cracking of naphtha. They are granular solids with the color of pale yellow.

Key Characteristics

- Good Compatibility with Base Polymer such as SBS,SBR,EVA etc.
- Good Compatibility with Natural Tackifier such as Terpene and Rosin
- Good Heat Stability
- Light Color and Low Odour

BOCTOK G 系列

BOCTOK G 系列是 C5 改性的 C9 石油树脂，以石脑油裂解装置副产的 C5 和 C9 馏分为原料制得，产品外观为淡黄色颗粒状固体。

产品特性

- 与 SBS,SBR,EVA 等基础树脂相容性好
- 与萜烯树脂、松香树脂等天然增粘树脂相容性好
- 良好的热稳定性
- 颜色浅，气味低



Specifications 产品规格

Grade 规格	Item 项目	Softening Point软化点, ①℃	Color ② Gardner# 色号 加德纳 #	Heat Stability 热稳定性 Gardner#,at 200℃ ,3hrs	Melt Viscosity 熔融粘度 200℃ ,cps	Acid Value 酸值 KOH mg/g	Specific Gravity 比重 (25/25℃)
G-100		100±5	Max6	Max9	Max200	Max0.2	1.00-1.08
G-110		110±5	Max6	Max9	Max200	Max0.2	1.00-1.08
G-120		120±5	Max6	Max9	Max200	Max0.2	1.00-1.08
Test Method 检测方法	ASTM E28 ASTM D1544 ASTM D1544 ASTM D3236 ASTM D974 ASTM D1475						

① Ring &Ball 环球法 ② 50%resin solids in toluene 树脂：甲苯 =1:1

Applications

Tapes,Sticks,Packaging Adhesives,Woodworking Edging Adhesives,Sealants,Rubber Compounding,etc.

应用领域

胶带、胶棒、包装胶、木工封边胶、密封胶、橡胶混炼等



Aromatic Resins 芳香族石油树脂

BOCTOK L series

BOCTOK L series are low molecular weight thermoplastic aromatic resins produced from petroleum derived C9 fraction through catalytic-polymerization technique. They are transparent granular solids with the color of light yellow.

Key Characteristics

- Good Compatibility with Alkyd Resins
- Water Resistance and Electricity Insulation
- Excellent Chemical Stability over Acid and Alkali
- Good Affinity with Pigment and Excellent Dispersity.

BOCTOK L 系列

BOCTOK L 系列是低分子量的热塑性芳香族石油树脂，以乙烯裂解装置副产的 C9 馏分为原料 经低温催化聚合工艺而制得，产品外观为淡黄色半透明颗粒状固体。

产品特性

- 与醇酸树脂相容性好
- 良好的防水性及绝缘性
- 在酸、碱条件下具有良好的化学稳定性
- 与颜料亲和力、分散性好



Specifications 产品规格

Grade 规格	Item 项目	Softening Point 软化点, ①℃	Color ② Gardner# 色号 加德纳 #	Bromine Value 溴值, Br.g/100g	Acid Value 酸 值 KOH mg/g	Ash Content 灰分, %	Specific Gravity 比重 (25/25℃)
L-110		100-110	Max8	Max30	Max0.2	Max0.04	1.06-1.10
L-120		110-120	Max8	Max30	Max0.2	Max0.04	1.06-1.10
L-130		120-130	Max8	Max30	Max0.2	Max0.04	1.06-1.10
L-140		130-140	Max8	Max30	Max0.2	Max0.04	1.06-1.10
L-150		140-150	Max8	Max30	Max0.2	Max0.04	1.06-1.10
Test Method 检测方法	ASTM E28 ASTM D1544 ASTM D1159 ASTM D974 ASTM D1063 ASTM D1475						

① Ring & Ball 环球法 ② 50%resin solids in toluene 树脂：甲苯 =1:1

Applications 应用领域

Applications 应用领域	Suggested Grades 建议使用的产品规格
Varnish 清漆	L-120
Industrial Paint 工业涂料	L-110,L-120,L-130,L-140,L-150
Printing Ink 印刷油墨	L-120,L-130,L-140,L-150
Adhesives 胶黏剂	L-140,L-150,L-120
Asphalt Modification 沥青改性	L-140,L-150



Aromatic Resins 芳香族石油树脂

BOCTOK R series

BOCTOK R series are low molecularweight thermoplastic aromatic resins produced from petroleum derived C9 fraction through thermal-polymerization technique.They are transparent flake solids with the color of yellow to light brown.

Key Characteristics

- Good Compatibility with Synthetic Rubber
- Good Compatibility with Other Resins and Polymers
- Water Resistance
- Good Heat Stability

BOCTOK R 系列

BOCTOK R 系列是低分子量的热塑性芳香族石油树脂，以乙烯裂解装置副产的 C9 馏分为原料经热聚合工艺制得，产品外观为黄色至浅褐色的片状固体。

产品特性

- 与合成橡胶互溶性好
- 与其它树脂及聚合物相容性良好
- 良好的防水性
- 良好的热稳定性



Specifications 产品规格

Item 项目 Grade 规格	Softening Point软化点, ①℃	Color ② Gardner# 色号 加德纳 #	Bromine Value 溴值, Br.g/100g	Acid Value 酸值 KOH mg/g	Ash Content 灰 分, %	Specific Gravity 比重 (25/25℃)
R-100	90-100	Max12	Max100	Max0.3	Max0.04	1.06-1.10
R1-100	90-100	Max15	Max100	Max0.3	Max0.04	1.06-1.10
R-110	100-110	Max12	Max100	Max0.3	Max0.04	1.06-1.10
R1-110	100-110	Max15	Max100	Max0.3	Max0.04	1.06-1.10
R-120	110-120	Max12	Max100	Max0.3	Max0.04	1.06-1.10
Test Method 检测方法	ASTM E28 ASTM D1544 ASTM D1159 ASTM D974 ASTM D1063 ASTM D1475					

① Ring &Ball 环球法 ② 50%resin solids in toluene 树脂：甲苯 =1:1



Applications 应用领域

Applications 应用领域	Suggested Grades 建议使用的产品规格
Rubber Compounding 橡胶混炼	R-100,R1-100,R-110,R1-110
Industrial Paint 工业涂料	R-110,R1-110,R-120
Adhesives 胶黏剂	R-100,R-110.R-120