

# C9 Hydrocarbon Resin

## TECHNICAL INFORMATION

Website: [www.lescochem.com](http://www.lescochem.com)



Lesco Chemical Limited  
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### LESTAC P95 Aromatic C9 Petroleum Resin / Hydrocarbon Resin

Rev.03  
25/05/2008

**LESTAC P95** is pale yellow thermoplastic resin obtained from mainly polymerizing unsaturated aromatic coumarone and indene derived from the process of thermal cracking of naphtha. The major usages are Paint, Printing Ink, Rubber Compound and Tire. This grade also can be use as water repellent agent, concrete curing agent and binder for asphalt.

#### SPECIFICATIONS

Softening Point (Ring & Ball, °C)	90-95	ASTM E 28
Color (Molten Resin, Ga.#)	Max.10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	Max.12	ASTM D 1544
Acid Value (KOHmg/g)	Max.1.0	ASTM D 974
Melt Viscosity (BRF, @200°C, cps)	Max.450	ASTM D 3236
Bromine Number (Br.cg/g)	Max.150	ASTM D 1159
Ash Value (%)	Max.0.05	ASTM D 4930

#### TYPICAL PROPERTIES

Specific Gravity (20/20°C)	1.05	ASTM D 71
Softening Point (Ring & Ball, °C)	94	ASTM E 28
Color (Molten Resin, Ga.#)	10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	12	ASTM D 1544
Acid Value (KOHmg/g)	0.45	ASTM D 974
Melt Viscosity BRF, @160°C, cps	850	ASTM D 3236
BRF, @200°C, cps	195	
Volatile Content (wt %)	< 1.0	150°C, 2hr

\*Actual data will be reported on Certificate of Analysis

#### PACKING

25kgs/paper bag, Woven-plastic, big bags: 500kgs, 600kgs, 750kgs, 1000kgs

#### STORAGE

Palletized forms of resins may block or lump in hot weather climates or if stored near heat sources. Inside storage is recommended and keep at temperature not exceeding 25°C.

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### LESTAC P100

#### **Aromatic C9 Petroleum Resin / Hydrocarbon Resin**



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Rev.03

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**LESTAC P100** is pale yellow thermoplastic resin obtained from mainly polymerizing unsaturated aromatic coumarone and indene derived from the process of thermal cracking of naphtha. The major usages are Paint, Printing Ink, Rubber Compound and Tire. This grade also can be use as water repellent agent, concrete curing agent and binder for asphalt.

### SPECIFICATIONS

Softening Point (Ring & Ball, °C)	95-105	ASTM E 28
Color (Molten Resin, Ga.#)	Max.10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	Max.12	ASTM D 1544
Acid Value (KOHmg/g)	Max.1.0	ASTM D 974
Melt Viscosity (BRF, @200°C, cps)	Max.450	ASTM D 3236
Bromine Number (Br.cg/g)	Max.150	ASTM D 1159
Ash Value (%)	Max.0.05	ASTM D 4930

### TYPICAL PROPERTIES

Specific Gravity (20/20°C)	1.05	ASTM D 71
Softening Point (Ring & Ball, °C)	100	ASTM E 28
Color (Molten Resin, Ga.#)	10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	12	ASTM D 1544
Acid Value (KOHmg/g)	0.5	ASTM D 974
Melt Viscosity BRF, @160°C, cps	950	ASTM D 3236
BRF, @200°C, cps	204	
Volatile Content (wt %)	< 1.0	150°C, 2hr

**\*Actual data will be reported on Certificate of Analysis**

### PACKING

25kgs/paper bag, Woven-plastic, big bags: 500kgs, 600kgs, 750kgs, 1000kgs

### STORAGE

Palletized forms of resins may block or lump in hot weather climates or if stored near heat sources. Inside storage is recommended and keep at temperature not exceeding 25°C.

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## **LESTAC P110** **Aromatic C9 Petroleum Resin / Hydrocarbon Resin**

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25/05/2008

**LESTAC P110** is pale yellow thermoplastic resin obtained from mainly polymerizing unsaturated aromatic coumarone and indene derived from the process of thermal cracking of naphtha. The major usages are Paint, Printing Ink, Rubber Compound and Tire. This grade also can be use as water repellent agent, concrete curing agent and binder for asphalt.

### **SPECIFICATIONS**

Softening Point (Ring & Ball, °C)	105-115	ASTM E 28
Color (Molten Resin, Ga.#)	Max.10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	Max.12	ASTM D 1544
Acid Value (KOHmg/g)	Max.1.0	ASTM D 974
Melt Viscosity (BRF, @200°C, cps)	Max.450	ASTM D 3236
Bromine Number (Br.cg/g)	Max.150	ASTM D 1159
Ash Value (%)	Max.0.05	ASTM D 4930

### **TYPICAL PROPERTIES**

Specific Gravity (20/20°C)	1.05	ASTM D 71
Softening Point (Ring & Ball, °C)	110	ASTM E 28
Color (Molten Resin, Ga.#)	10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	12	ASTM D 1544
Acid Value (KOHmg/g)	0.45	ASTM D 974
Melt Viscosity BRF, @160°C, cps	970	ASTM D 3236
BRF, @200°C, cps	223	
Volatile Content (wt %)	< 1.0	150°C, 2hr

**\*Actual data will be reported on Certificate of Analysis**

### **PACKING**

25kgs/paper bag, Woven-plastic, big bags: 500kgs, 600kgs, 750kgs, 1000kgs

### **STORAGE**

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**LESTAC P120**  
**Aromatic C9 Petroleum Resin / Hydrocarbon Resin**

Rev.03  
25/05/2008

**LESTAC P120** is pale yellow thermoplastic resin obtained from mainly polymerizing unsaturated aromatic coumarone and indene derived from the process of thermal cracking of naphtha. The major usages are Paint, Printing Ink, Rubber Compound and Tire. This grade also can be use as water repellent agent, concrete curing agent and binder for asphalt.

### **SPECIFICATIONS**

Softening Point (Ring & Ball, °C)	115-125	ASTM E 28
Color (Molten Resin, Ga.#)	Max.10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	Max.12	ASTM D 1544
Acid Value (KOHmg/g)	Max.1.0	ASTM D 974
Melt Viscosity (BRF, @200°C, cps)	Max.450	ASTM D 3236
Bromine Number (Br.cg/g)	Max.150	ASTM D 1159
Ash Value (%)	Max.0.05	ASTM D 4930

### **TYPICAL PROPERTIES**

Specific Gravity (20/20°C)	1.05	ASTM D 71
Softening Point (Ring & Ball, °C)	120	ASTM E 28
Color (Molten Resin, Ga.#)	10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	12	ASTM D 1544
Acid Value (KOHmg/g)	0.5	ASTM D 974
Melt Viscosity BRF, @160°C, cps	993	ASTM D 3236
BRF, @200°C, cps	236	
Volatile Content (wt %)	< 1.0	150°C, 2hr

**\*Actual data will be reported on Certificate of Analysis**

### **PACKING**

25kgs/paper bag, Woven-plastic, big bags: 500kgs, 600kgs, 750kgs, 1000kgs

### **STORAGE**

Palletized forms of resins may block or lump in hot weather climates or if stored near heat sources. Inside storage is recommended and keep at temperature not exceeding 25°C.

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### LESTAC P130

#### **Aromatic C9 Petroleum Resin / Hydrocarbon Resin**

Rev.03

25/05/2008

**LESTAC P130** is pale yellow thermoplastic resin obtained from mainly polymerizing unsaturated aromatic coumarone and indene derived from the process of thermal cracking of naphtha. The major usages are Paint, Printing Ink, Rubber Compound and Tire. This grade also can be use as water repellent agent, concrete curing agent and binder for asphalt.

#### SPECIFICATIONS

Softening Point (Ring & Ball, °C)	125-135	ASTM E 28
Color (Molten Resin, Ga.#)	Max.10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	Max.12	ASTM D 1544
Acid Value (KOHmg/g)	Max.1.0	ASTM D 974
Melt Viscosity (BRF, @200°C, cps)	Max.450	ASTM D 3236
Bromine Number (Br.cg/g)	Max.150	ASTM D 1159
Ash Value (%)	Max.0.05	ASTM D 4930

#### TYPICAL PROPERTIES

Specific Gravity (20/20°C)	1.05	ASTM D 71
Softening Point (Ring & Ball, °C)	130	ASTM E 28
Color (Molten Resin, Ga.#)	10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	12	ASTM D 1544
Acid Value (KOHmg/g)	0.5	ASTM D 974
Melt Viscosity BRF, @160°C, cps	953	ASTM D 3236
BRF, @200°C, cps	202	
Volatile Content (wt %)	< 1.0	150°C, 2hr

**\*Actual data will be reported on Certificate of Analysis**

#### PACKING

25kgs/paper bag, Woven-plastic, big bags: 500kgs, 600kgs, 750kgs, 1000kgs

#### STORAGE

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## **LESTAC P140** **Aromatic C9 Petroleum Resin / Hydrocarbon Resin**

Rev.03  
25/05/2008

**LESTAC P140** is pale yellow thermoplastic resin obtained from mainly polymerizing unsaturated aromatic coumarone and indene derived from the process of thermal cracking of naphtha. The major usages are Paint, Printing Ink, Rubber Compound and Tire. This grade also can be use as water repellent agent, concrete curing agent and binder for asphalt.

### **SPECIFICATIONS**

Softening Point (Ring & Ball, °C)	135-145	ASTM E 28
Color (Molten Resin, Ga.#)	Max.10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	Max.12	ASTM D 1544
Acid Value (KOHmg/g)	Max.1.0	ASTM D 974
Melt Viscosity (BRF, @200°C, cps)	Max.450	ASTM D 3236
Bromine Number (Br.cg/g)	Max.150	ASTM D 1159
Ash Value (%)	Max.0.05	ASTM D 4930

### **TYPICAL PROPERTIES**

Specific Gravity (20/20°C)	1.05	ASTM D 71
Softening Point (Ring & Ball, °C)	140	ASTM E 28
Color (Molten Resin, Ga.#)	10	ASTM D 1544
Color Stability (@200°C, 3hrs, Ga.#)	12	ASTM D 1544
Acid Value (KOHmg/g)	0.47	ASTM D 974
Melt Viscosity BRF, @160°C, cps	973	ASTM D 3236
BRF, @200°C, cps	276	
Volatile Content (wt %)	< 1.0	150°C, 2hr

**\*Actual data will be reported on Certificate of Analysis**

### **PACKING**

25kgs/paper bag, Woven-plastic, big bags: 500kgs, 600kgs, 750kgs, 1000kgs

### **STORAGE**

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