



HEBEI LEIMAN
FILTER MATERIAL CO., LTD.

LEIMAN

INDUSTRIAL

FILTER PAPER



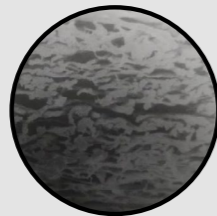


FRONT SURFACE MICROGRAPH

The filter paper is directional. The front of the filter paper is the windward direction of the airflow. The fibers on the front surface are loose and the pores are in the shape of a bell mouth and becomes smaller along the thickness of filter paper. The filter paper thickness is about 0.35–0.5 mm.

COLORED LINES

For easy identify, we print the colored lines at the front of filter paper, users should use the filter paper at right direction, otherwise, the dust storage capacity will be reduced by 30%.



SECTION MICROGRAPH

Filter paper is a multilayered structure.

REVERSE SURFACE MICROGRAPH

Reverse side of the filter paper has tight fiber structures, which is the direction of gas flowing out.



Industrial filter paper is processed by mixing plant fiber pulp and a little cotton pulp. Because of its fiber structure, leaving numerous tiny holes for liquid particles passing through and leaving solid particles out, which is the basic principle of solid and liquid separation.



INDUSTRIAL FILTER PAPER

Surface



Smooth Surface



Corrugated Surface



Crepe Surface



INDUSTRIAL FILTER PAPER

Production Technology

Industrial filter paper can be classified into cured filter paper and uncured filter paper according to dipping process



CURED FILTER PAPER

The filter paper has not been hardened after being impregnated with phenolic resin, which can not satisfied the stiffness requirements of filter elements. After being pleated, the filter paper will be heated for 10–15 minutes at the 150 °C temperature.

Cured filter paper is widely used to produce oil and fuel filter element of heavy trucks, auto and cars.



UNCURED FILTER PAPER

The uncured filter paper is impregnated with thermoplastic resin (generally is acrylic resin), and it needs little heating during production to guarantee the flexibility under room temperature.

Uncured filter paper is widely used to produce air filter elements of heavy trucks, auto and cars.

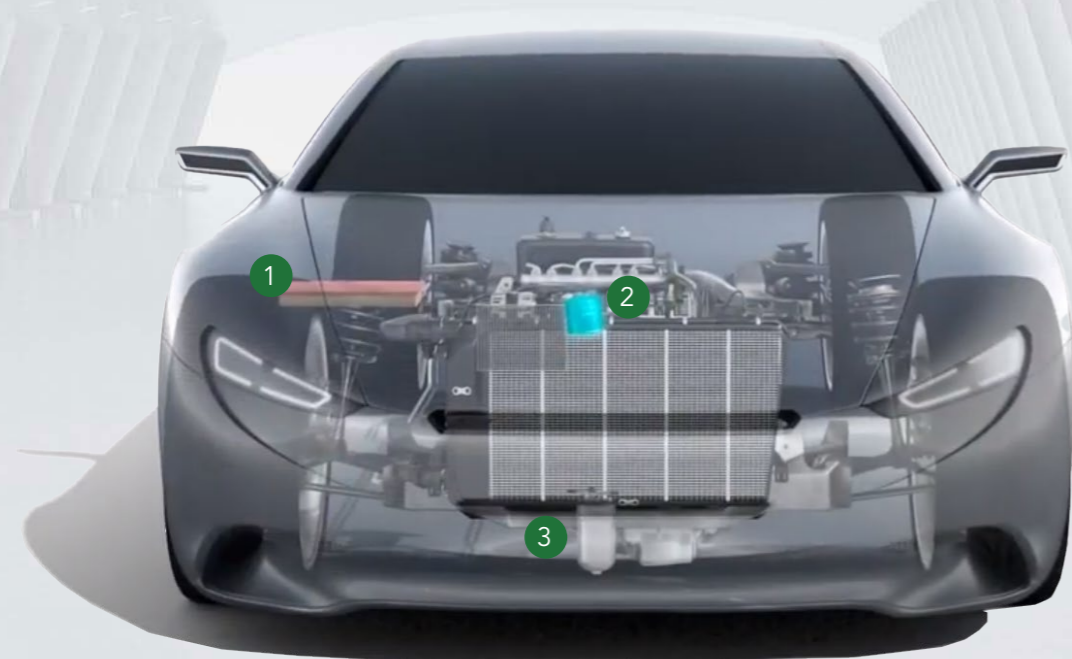
INDUSTRIAL FILTER PAPER

Features

- The filter paper can separate impurity particles from the liquid and extend engine and auto service life.
- High filtration efficiency. 98% filtration efficiency of 4 μm particles and 99% filtration efficiency of 6 μm particles.
- Up to 800 L/m²/s air permeability.
- Oil filter paper can withstand up to 600 kPa pressure.
- Up to 70 mN/m high stiffness of cured filter paper.



AIR, OIL AND FUEL FILTER ELEMENTS OF AUTO



1 Air Filter



2 Oil Filter



3 Fuel Filter

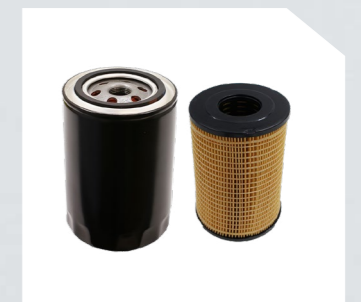
AIR, OIL AND FUEL FILTER ELEMENTS OF HEAVY TRUCKS



1 Air Filter



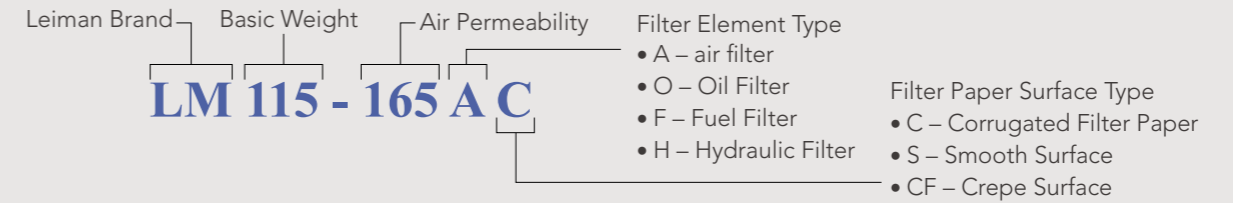
2 Fuel Filter



3 Oil Filter

INDUSTRIAL FILTER PAPER

Technical Data



Leiman Code	Type	Basic Weight (Before Cured)	Basic Weight (After Cured)	Air Permeability	Max. Pore Size	Average Pore Size	Thickness	Corrugated Depth	Stiffness (Before Cured)	Stiffness (After Cured)	Burst Strength (Before Cured)	Burst Strength (After Cured)	Usage
		g/m ²	g/m ²	L/m ² /s (ΔP=200 Pa)	um	um	mm	mm	mN/m	mN/m	kPa	kPa	
LM115-165AC	Uncured	115±5		165±30	<55	<45	0.65±0.05	0.45±0.05	>5		>260		For air filtration
LM115-120AC	Uncured	115±5		120±30	<43	<35	0.65±0.05	0.45±0.05	>5		>260		For air filtration
LM210-350OC	Uncured	210±10		350±50	<75	<60	1.0±0.1	0.35±0.05	>15		>450		For oil filtration
LM130-280AS	Uncured	130±5		280±30	<65	<55	0.55±0.05		>5		>400		For air filtration
LM135-250AC	Uncured	135±5		250±30	<60	<50	0.55±0.06	0.30±0.05	>4.5		>270		For light duty air filtration
LM195-160AC	Uncured	195±10		160±20	<60	<50	0.75±0.05	0.35±0.05	>10		>550		For light duty air filtration
LM125-380LAS	Uncured	125±5		380±30	<80	<65	0.5±0.05		>3.0		>200		For light duty air filtration
LM125-330AS	Uncured	125±5		330±30	<75	<60	0.5±0.05		>3.5		>300		For light duty air filtration
LM135-550AS	Uncured	135±5		550±50	<85	<70	0.5±0.05		>4.0		>300		For light duty air filtration
LM135-130AC	Uncured	135±5		130±20	<50	<40	0.65±0.05	0.45±0.05	>6		>350		For gas turbin/ industry air filtration
LM120-245AC	Uncured	120±5		245±20	<60	<50	0.6±0.05	0.35±0.05	>4		>220		For gas turbin/ industry air filtration
LM90-5LOS	Uncured	90±5		5±2	<35	<25	0.25±0.05				>500		For light car oil filtration
LM90-35FS	Uncured	90±5		35±5	<45	<30	0.4±0.03				>230		For light car fuel filtration
LM208-500OC	Cured	208±10	198±10	500±50	<85	<75	1.0±0.1	0.35±0.05	>6	>10	>400	>500	For oil filtration
LM135-550OC	Cured	135±5	125±5	550±50	<80	<65	0.65±0.05	0.35±0.05	>3	>4	>200	>380	For oil filtration
LM205-300OC	Cured	205±10	195±10	300±30	<60	<50	1.0±0.1	0.35±0.05	>9	>12	>280	>450	For oil filtration
LM190-300OC	Cured	190±8	185±8	300±30	<70	<60	0.9±0.09	0.35±0.05	>4	>8	>300	>400	For oil filtration
LM180-350OC	Cured	180±8	170±8	350±50	<75	<65	0.9±0.09	0.35±0.05		>10	>300	>400	For oil filtration
LM180-450OC	Cured	180±7	167±7	450±50	<75	<60	0.9±0.1	0.35±0.05	>6	>7	>280	>400	For oil filtration
LM175-330OC	Cured	175±8	165±8	330±30	<70	<55	0.65±0.05	0.35±0.05	>6	>8	>400	>550	For oil filtration
LM165-400OC	Cured	165±8	155±8	400±50	<75	<65	0.65±0.05	0.35±0.05	>3	>5	>150	>350	For oil filtration
LM140-450OC	Cured	140±5	135±5	450±50	<80	<70	0.75±0.05	0.35±0.05	>3	>5	>250	>300	For oil filtration
LM125-800OC	Cured	125±5	120±5	800±80	<90	<75	0.70±0.05	0.35±0.05	>3	>4	>180	>250	For oil filtration
LM240-90FC	Cured	240±10	230±10	90±30	<45	<35	0.78±0.05	0.35±0.05	>12	>14	>300	>450	For fuel filtration
LM150-100FC	Cured	150±8	140±8	100±30	<50	<35	0.6±0.05	0.35±0.05	>4	>6	>300	>450	For fuel filtration
LM140-150FC	Cured	140±5	130±5	150±30	<50	<40	0.6±0.05	0.35±0.05	>4	>5	>250	>400	For fuel filtration
LM208-480OS	Cured	208±10	198±10	480±80	<85	<70	1.0±0.1		>12	>15	>400	>500	For oil filtration
LM180-80FC	Cured	180±7	165±7	80±10	<45	<35	0.65±0.05	0.35±0.05	>6	>10	>350	>500	For Fuel filtration
LM90-35CF	Uncured	90±5		35±5	<40	<28	0.4±0.03		0.1		>230		

INDUSTRIAL FILTER PAPER

Color Options



Package



Delivery



Hebei Leiman Filter Material Co., Ltd.
One Stop Solution Designer to Filter Production

INDUSTRIAL FILTER PAPER

Selection Guide



Features

Cured Uncured

Application

Light Car Air Filter Heavy Truck Air Filter
 Oil Filter Element Fuel Filter Element

Weight

90 g/m ²	110 g/m ²	120 g/m ²
125 g/m ²	130 g/m ²	135 g/m ²
140 g/m ²	145 g/m ²	165 g/m ²
175 g/m ²	180 g/m ²	195 g/m ²
210 g/m ²	240 g/m ²	

Air Permeability (L/m²/s(Δp=200 Pa))

20	35	95	110
115	120	130	160
165	180	235	245
260	280	290	300
330	350	380	400
450	500	515	550
690			

Thickness

0.35 mm	0.42 mm	0.45 mm
0.50 mm	0.55 mm	0.65 mm
0.75 mm	1.00 mm	

Surface

Smooth Corrugated Crepe

Color Options

101	102	103
104	105	106
107	108	201
201	203	204
205	206	207
208	301	302
303	304	305
306	307	308
401	402	403
404	405	406
407	408	501
502	503	504
505	506	601
602	Others	

Target Price :

ADD: East of Anping County, Hengshui City, Hebei Province China
 TEL: +86-15131850885
 Whatsapp: +86-15131850885
 E-MAIL: info@pmfiltersolution.com
 WEB: www.pmfiltersolution.com





Hebei Leiman Filter Material Co., Ltd.

One Stop Solution Designer to Filter Production

ADD: East of Anping, Hengshui City, Hebei Province China

TEL: +86-15131850885

WhatsApp: +86-15131850885

E-MAIL: info@pmfiltersolution.com

WEB: www.pmfiltersolution.com

