



Products Show

Carbon Black





YUSHENG ENTERPRISE LIMITED

COMPANY PROFILE

YuSheng Enterprise Limited established in 2001, committed to rubber industry raw materials production and sales for more than 20 years.

After years of development, Yusheng has become a professional supplier of raw materials of rubber products, selling and serving tire and rubber products manufacturers in Europe, South America, Southeast Asia, India, Pakistan, the Middle East and other regions.

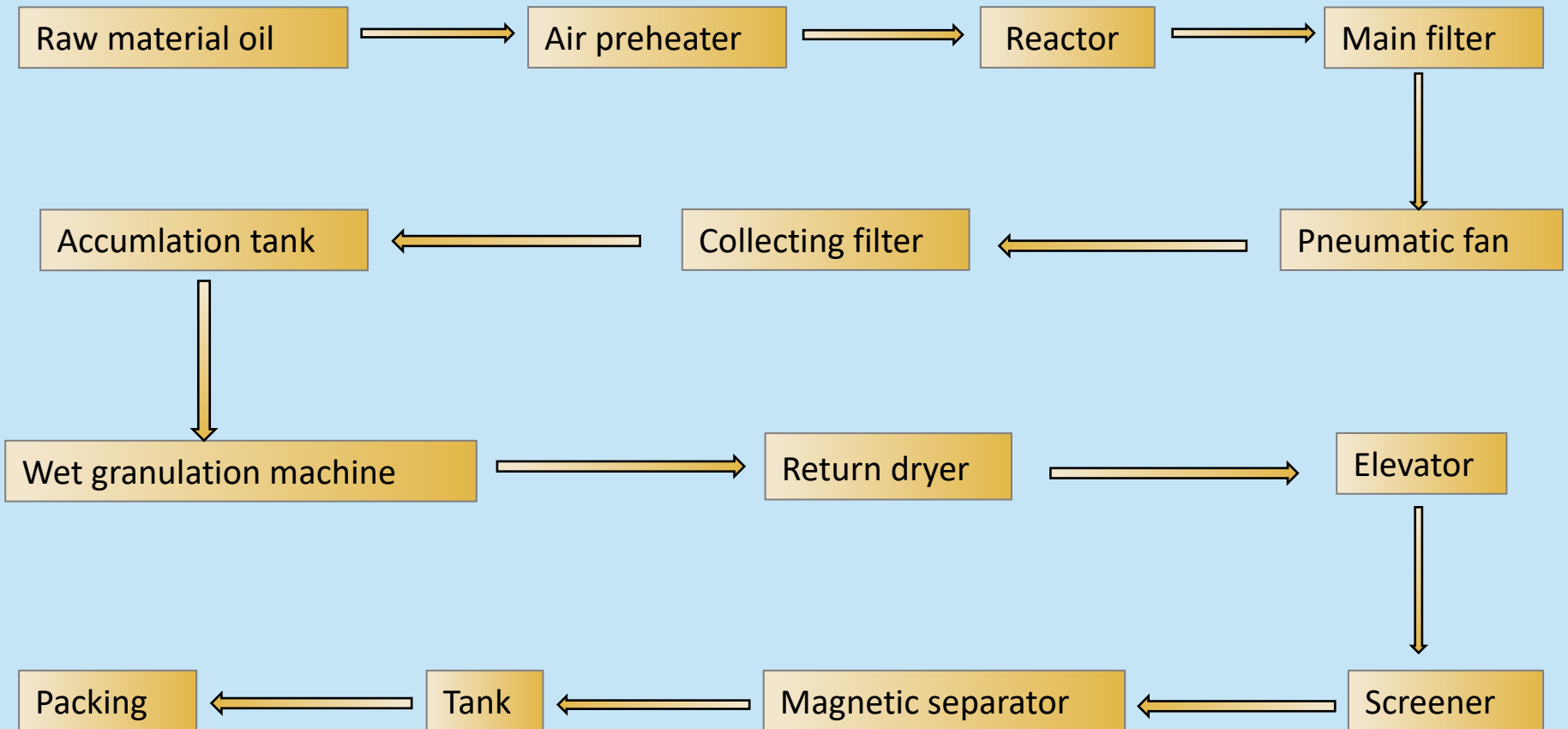
Yusheng is having more than 160+ stable and long-term manufacturing bases, which can provide one-stop raw material services for manufacturers in rubber industry. We sincerely invite rubber professionals from all over the world to join our global supply chain service system and become our partner to achieve win-win development.



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Production process



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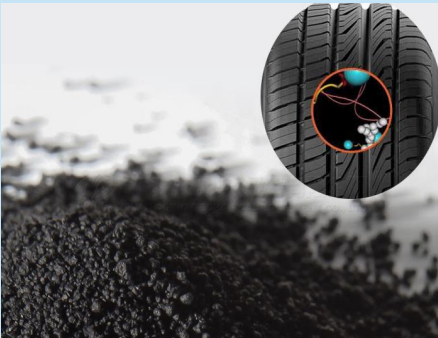
Carbon Black

Characteristics and Applications

- High Reinforcement property
- Small deformation
- Low calorification
- Good elasticity and flex stiffness

Applications

- Tyres
- Rubber belts
- Rubber tubing
- Rubber conveyor belts
- Other rubber items



Carbon Black

Specification: (N110, N220, N234, N326, N330, N339, N347, N550, N660, etc.)

Item \ Standard	N110	N115	N121	N134	N219	N220
Iodine Adsorption Number g/kg	145±8	160±8	121±7	142±8	118±7	121±7
DBP Absorption Number 10 ⁻⁵ M ³ /kg	113±7	113±7	132±8	127±7	78±7	114±7
DBP Compressed Sample 10 ⁻⁵ M ³ /kg	89-105	89-105	103-119	95-111	67-91	90-106
CTAB surface Area 10 ³ M ² /kg	117-135	119-137	112-130	124-144	98-116	102-120
Nitrogen Surface Area 10 ³ M ² /kg	120-134	129-145	115-129	135-151	109-123	112-126
Tint Strength %	115-131	115-131	111-127	123-139	115-131	108-124
Heating Loss %≤	3.0	3.0	3.0	3.0	2.5	2.5
Ash Content %	0.7	0.7	0.7	0.7	0.7	0.7
45μm Sieve Residue % ≤	0.1	0.1	0.1	0.1	0.1	0.1
500μm Sieve Residue % ≤	0.001	0.001	0.001	0.001	0.001	0.001
Impurity	no	no	no	no	no	no
stress at 300% Elongation Mpa	-3.5±1.6	-3.4±1.6	-0.4±1.6	-1.8±1.6	-3.9±1.6	-2.3±1.6
Characteristics of vulcanized rubber	N110: High reinforcing, super abrasion N115: High reinforcing, super abrasion N121: High reinforcing, super abrasion, high modulus N134: High reinforcing N219: High reinforcing, low modulus, good elongation and resistance to tearing, good flex resistance N220: High reinforcing, high tear resistance, good processing					

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Specification:

Standard	N234	N326	N330	N339	N347	N351
Items						
Ioding Adsorption Number g/kg	120±7	82±7	82±7	90±7	90±7	68±7
DBP Absorption Number 10 ⁻⁵ M ³ /kg	125±7	72±7	102±7	120±7	124±7	120±7
DBP Compressed Sample 10 ⁻⁵ M ³ /kg	94-110	62-74	80-96	91-107	91-107	87-103
CTAB surface Area 10 ³ M ² /kg	110-128	74-92	73-91	84-102	78-96	64-82
Nitrogen Surface Area 10 ³ M ² /kg	112-126	71-85	71-85	84-98	78-92	64-78
Tint Strength %	115-131	103-119	96-112	103-119	97-113	92-108
Heating Loss %≤	2.5	2.5	2.5	2.5	2.5	2.5
Ash Content %	0.7	0.7	0.7	0.7	0.7	0.7
45μm Sieve Residue % ≤	0.1	0.1	0.1	0.1	0.1	0.1
500μm Sieve Residue % ≤	0.001	0.001	0.001	0.001	0.001	0.001
Impurity	no	no	no	no	no	no
stress at 300% Elongation Mpa	-0.4±1.6	-3.9±1.6	-0.9±1.6	0.6±1.6	0.2±1.6	0.8±1.6
Characteristics of vulcanized rubber	N234: High reinforcing, high abrasion, high modulus, good dispersion N326: Medium-high reinforcing, low modules, good elongation and resistance to tearing, good flex resistance N330: medium-high reinforcing and modulus, good processing N339: medium-high reinforcing, high modulus and hardness, good processing N347: medium-high reinforcing, high modulus and hardness, good processing N351: medium-high reinforcing, high modulus and hardness, good processing					

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Specification:

Standard Item	N375	N539	N550	N660	N762	N774
Iodine Adsorption Number g/kg	90 ± 7	43 ± 6	43 ± 6	36 ± 6	27 ± 6	29 ± 6
DBP Adsorption Number 10 ⁻⁵ M ³ /kg	114 ± 7	111 ± 7	121 ± 7	90 ± 7	65 ± 6	72 ± 7
DBP Compressed Sample 10 ⁻⁵ M ³ /kg	88-104	73-89	77-93	66-82	53-65	57-69
CTAB surface Area 10 ³ M ² /kg	87-105	34-48	35-49	29-43	23-35	23-35
Nitrogen Surface Area 10 ³ M ² /kg	86-100	33-45	34-46	29-41	24-34	25-35
Tint Strength %	106-122	-	-	-	-	-
Heating Loss % ≤	2.5	1.5	1.5	1.5	1.5	1.5
Ash Content %	0.7	0.7	0.7	0.7	0.7	0.7
45 μm Sieve Residue % ≤	0.1	0.1	0.1	0.1	0.1	0.1
500 μm Sieve Residue % ≤	0.001	0.001	0.001	0.001	0.001	0.001
Impurity	no	no	no	no	no	no
stress at 300% Elongation Mpa	0.1 ± 1.6	-1.6 ± 1.6	-0.9 ± 1.6	-2.6 ± 1.6	-4.9 ± 1.6	-4.1 ± 1.6
Characteristics of vulcanized rubber	N375: medium-high reinforcing, high modulus and hardness, smooth surface of extrusion N539: Medium-high reinforcing, high modulus and hardness, smooth surface of extrusion N550: Medium-high reinforcing, high modulus and hardness, smooth surface of extrusion N660: medium-high reinforcing and modulus, good flex resistance, low heat build up N762: low reinforcing N774: semi-reinforcing, good elongation, high resilience, low compressed deformation					

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Packing :

- 20kg/package: 1MT/Pallet
- 1000kg/package: 1MT/Pallet
- Or customized





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