

WUXI ELBE NEW MATERIALS TRADING CO., LTD.

YOUR TRUSTED PARTNER



Trading company and sourcing solution, leading through
innovation, cooperation and support



Location

Located 130 KM west to Shanghai, in Wuxi Xinwu District, a city full of culture, rich in history and great industrial development.



About us



Established in May 2019



Our main focus is to search suitable resources to serve domestic and overseas market



Existing business with Mexico, Russia, Argentina, Europe, China, Turkey, Serbia, USA, Canada



Our trading business scope: Polymer, Chemical, ZnO, EVA bags, Plasticizer, Oil, Carbon Black, Packaging, Technical Service, Plastic and sourcing of other products from China.

With the support of our team of specialists, we offer an export and import business, making us your strategic trading business partner and sourcing station for the China market.

Rubber Antioxidants:

TMQ, TMQ(H), DTPD,
DTPD (3100)

Rubber Accelerators:

TMTD, TBzTD, MBT,
MBTS, CBS, TBBS,
DCBS, DPG

Plastic additives:

CPE
CPVC

Rubber Processing Aids:

Homogenizer STR40
Silica Dispersing Agent STR70
Peptizer STR A86
Peptizer STRP401



TECHNICAL SPECIFICATION – N-series-04-2022

N°	PARAMETER	N115°	N134°	N121°	N220°*	N234°	N299°	N326°**	N330	N339	N347	N375	N539	N550	N650	N660	N772°	N774°	N762°	ASTM
1	Iodine Adsorption [g/kg]	160±8	142±6	121±6	121±6	120±6	108±6	82±6	82±6	90±6	90±6	90±6	43±6	43±6	36±6	36±6	30±6	29±6	27±6	D1510
2	Oil Absorption [cm³/100g]	113±7	127±6	132±6	114±6	125±6	124±6	72±6	102±6	120±6	124±6	114±6	111±6	121±6	122±6	90±6	65±6	72±6	65±6	D2414
3	STSA surface area [m²/g]	124±8	133±7	114±6	106±6	112±6	97±6	76±6	75±6	87±6	83±6	90±6	38±6	39±6	35±6	34±6	30±6	-	27±6	D6556
4	Sieve residue №32S US Std [ppm], max	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	D
	Sieve residue №35 US Std [ppm], max	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
5	pH	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	
6	Heating loss at 125°C [%], max	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	
7	Ash content [%], max	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
8	Sulfur content [%], max	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	
9	Fines content bulk [%], max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	
	Fines content in big-bags [%], max	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
10	Pour density [kg/m³]	345±30	320±30	320±30	355±30	320±30	335±30	485±30	340±30	345±30	335±30	345±30	345±30	360±30	370±30	440±30	440±30	440±30	440±30	
11	Pellet hardness (average of 20) [cN], max	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	Pellet hardness (individual) [cN], max	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	

* - produced at Omsk manufacturing facility only

** - produced at Omsk and Volgograd manufacturing facilities only

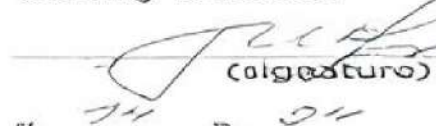
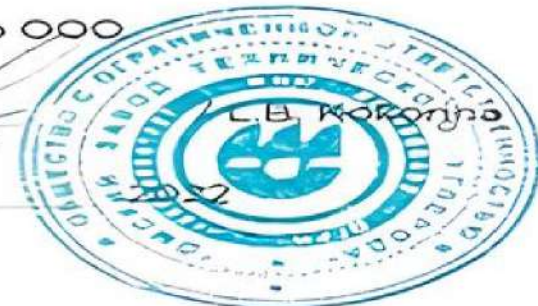
§ - The parameter "Pelleted Fines" is not standardized for carbon black packed in bags

Product form: pellets.

Packaging and logistics: according to contract.

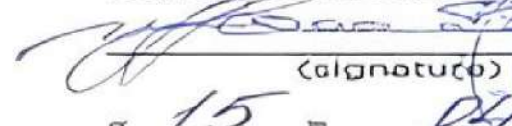
The Safety Data Sheet (SDS) is available at section «Sustainability/ Product Safety» of our website www.omskcarbongroup.com or through our only rep.

Producer
 Omsk Carbon Group OOO
 Quality Director


 (signature)


Stamp

Producer
 Omsk Carbon Mogilev IOOO
 General Director


 (signature)

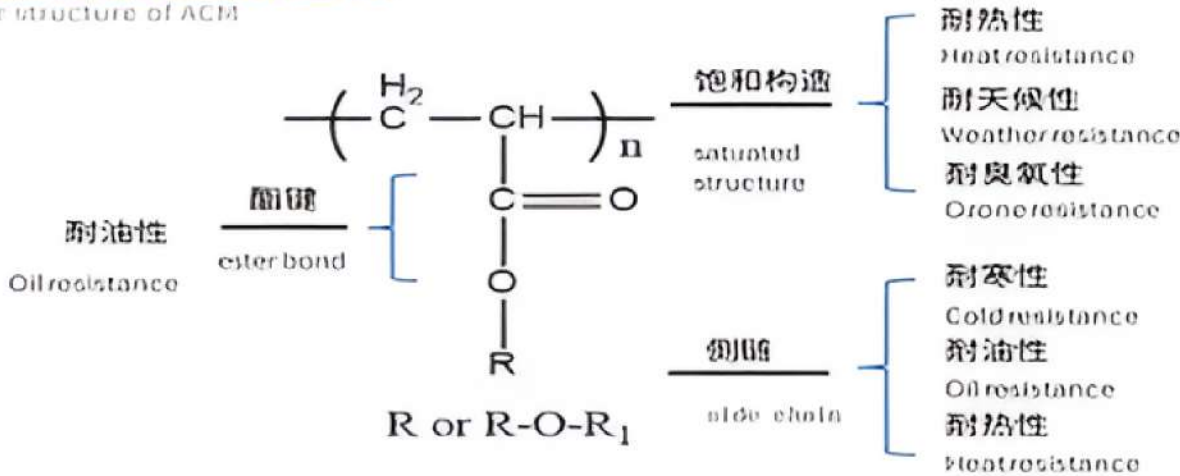
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Stamp

Customer

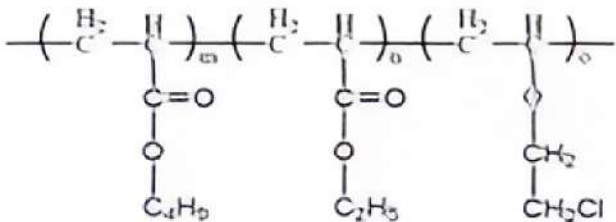
丙烯酸橡胶主要结构

Molecular structure of ACM



丙烯酸橡胶主链结构

Main chain structure of ACM



羧基型基础配方

Formulation for Carboxyl Type ACM

Formulation for Carboxyl Type ACM

材料 Material	用量/份 Quantity/Portion
ACM	100
100目/200目 10 Cumene	0.6
DOTG-75	2
十八烷基 110	0.5
硬脂酸 Stearic Acid	1
微晶蜡 Microcrystalline Wax	1
FG-200	2
硬脂酸 445 Antioxidant 445	2
RS735	3
N550	60

活性氯型基础配方

Formulation for Active Chlorine Type ACM

Formulation for Active Chlorine Type ACM

材料 Material	用量/份 Quantity/Portion
ACM	100
硬脂 S-90	0.4
硬脂酸钠 Sodium Stearate	3
硬脂酸二钾 Potassium Stearate	0.4
硬脂酸 Stearic Acid	1
微晶蜡 Microcrystalline Wax	1
FG-200	2
硬脂酸 445 Antioxidant 445	2
RS735	3
N550	60

ORLON

潍坊龙达锌业有限公司

WEIFANG ORLON ZINC INDUSTRY CO., LTD

氧化锌技术指标

(TDS)

检验项目 Inspection items	标准要求 Standard requirement			测试方法 Test method
外观 Colour	白色粉末 White powder			GB/T3185-2016
氧化锌（以干品计），% Zinc oxide	≥	99.70	99.70 99.50	GB/T3185-2016
金属物（以Zn计），% Metal(calculated as Zn)	≤	无	无 0.008	GB/T3185-2016
盐酸不溶物，% Matter insoluble in HCL	≤	0.006	0.008 0.03	GB/T3185-2016
灼烧损失，% Loss on ignition at 825℃	≤	0.20	0.20 0.25	GB/T3185-2016
筛余物（45μm网眼），% Residue on 45um sieve	≤	0.10	0.15 0.20	GB/T3185-2016
水溶物，% Matter soluble in water	≤	0.10	0.10 0.15	GB/T3185-2016
105℃挥发物，% Matter volatile at 105℃	≤	0.3	0.4 0.5	GB/T3185-2016
铅（Pb）含量，% Lead oxide(calculated as Pb)	≤	0.008 0	0.05 0.10	GB/T3185-2016
铜（Cu）含量，% Copper oxide(calculated as Cu)	≤	0.000 2	0.000 4 0.000 7	GB/T3185-2016
锰（Mn）含量，% Manganes oxide(calculated as Mn)	≤	0.0001	0.0001 0.000 3	GB/T3185-2016
镉（Cd）含量，% Cadmium oxide (calculation as Cd)	≤	0.00 20	0.005 0 0.010	GB/T3185-2016
铁（Fe）含量，% Iron oxide (calculation as Fe).	≤	0.005 0	0.010 —	GB/T3185-2016
比表面积（m²/g） Specific surface area		商定 Customer requirements		GB/T19587-2004



Curing System Agents

Retarders Accelerators Curing Agents Anti-reversion Agents

Rubber Protective Chemicals

Rubber Protective Waxes

Bonding System Agents and Reinforcing Resins

Adhesion Resins Adhesion Agents Reinforcing Resins

Processing Promoters

Homogenizers Processing Agents Eco Chemical Peptizers Silane coupling agents

Predispersed Rubber Chemicals

Retarders Curing Agents Adhesion Agents Metal Oxides Accelerators Blowing Agents

Addendum 1: Substitutes for Toxic and Hazardous Rubber Chemicals

Addendum 2: Low Smell Solutions to Rubber Products and Their Processing



Butyl Rubber:

Application	Product	Grade	Mooney ML(1+8)125°C	Volatiles wt.%	Halogen Content wt.%
Tube, Industrial	IIR	532	51±5	≤0.3	
Gum, Membrane	Food Grade IIR	532F	51±5	≤1.0	
Curing Bladder	IIR	CB-01	51±2	≤0.3	
Pharma Stopper	BIIR	2301	32±5	≤0.5	2.1±0.2
Tire, Rubber Goods	BIIR	2302	32±5	≤0.5	1.9±0.2
Tire, Rubber Goods	BIIR	2502	46±5	≤0.5	1.9±0.2
Tire, Rubber Goods	CIIR	1301	38±5	≤0.5	1.2±0.2



Phenolic Resin for tire & rubber product

Resin	型号/Grade	软化点/Soft Point (°C)	灰分/Ash content, 600°C (%)
增粘树脂 Tackifying resin	RT1101	90-102	≤0.5
	RT1102	85-95	≤0.5
	RT1104	125-135	≤0.5
	型号/Grade	软化点/Soft Point (°C)	灰分/Ash content, 600°C (%)
增粘树脂 Tackifying resin	RT1201	126-140	<0.5
	RT1204S	125-133	<0.5
	RT1206	125-135	<0.5
	型号/Grade	软化点/Soft Point (°C)	游离酚/Free Phenol (%)
补强树脂 Reinforcing resin	RT2101	92-103	≤1
	RT2201	90-102	≤1
	RT2202		≤1
	RT2301	96-106	≤1
	RT2303	106-116	≤1
	型号/Grade	软化点/Soft Point (°C)	游离酚/Free Phenol (%)
粘合树脂 Resorcinol bonding resin	RT3101	98-110	≤5
	RT3102	98-110	≤6
	RT3103	98-110	≤1
	RT3104	98-108	≤0.1
	型号/Grade	软化点/Soft Point (°C)	羟甲基含量/Hydroxymethyl Content (%)
硫化树脂 Curing resin	RT4101	100-125	11-16
	RT4202	80-95	7-11
	RT4201H	105-120	6-10
	型号/Grade	软化点/Soft Point (°C)	挥发分/Volatiles, 105°C 2H (%)
功能树脂 Functional resin for tire tread rubber	RT5101	95-110	≤0.5
	RT5110	90-110	≤0.5
	RT5201	98-108	≤0.5



Rice Husk Silica

Item	Unit	Rhasil™ 155FFG	Rhasil™ 175FFG	Rhasil™ HD165MP
Appearance		White micro-pearls	White micro-pearls	White micro-pearls
Specific surface area BET	m ² /g	140-170	160-190	150-180
SiO ₂ content	%	≥97	≥97	≥97
Drying loss 2h at 105°C	%	4.0-8.0	4.0-8.0	4.0-8.0
Ignition loss 2h at 1000°C	%	≤7.0	≤7.0	≤7.0
pH		6.0-7.5	6.0-7.5	6.0-7.5
Na ₂ SO ₄	%	≤2.0	≤2.0	≤2.0
DBP	cm ³ /g	2.00-3.00	2.00-3.00	2.00-3.00
Sieve Residue 45um	%	≤0.5	≤0.5	≤0.5
Cu	mg/kg	≤10	≤10	≤10
Fe	mg/kg	≤500	≤500	≤500

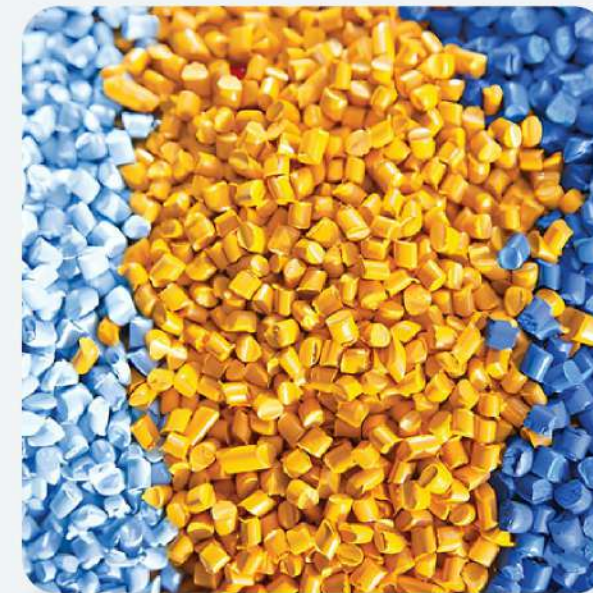
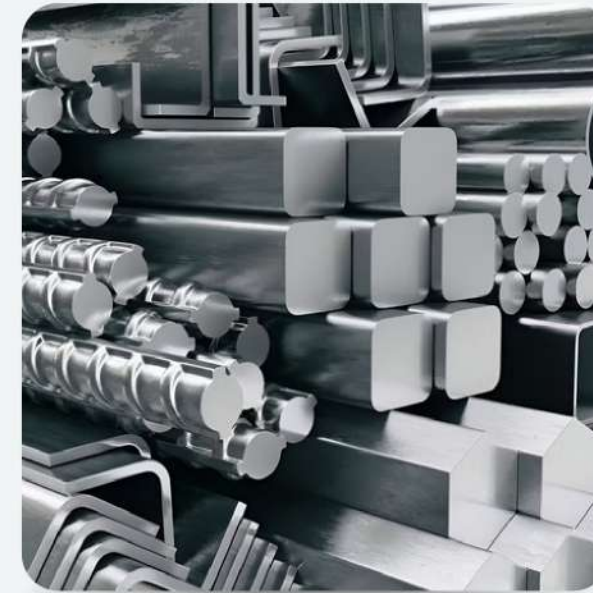


Shangdong Huaxia Shenzhen FKM

Quality Specification		FKM (Copolymer)		FKM (Terpolymer)			FKM (Peroxide Curable)		
Item	Test Method	26	26M	246	246G	246D	26L	246L	246LG
Density g/cm ³	GB/T 533	1.82±0.02		1.86±0.02	1.89±0.02	1.82±0.02	1.82±0.02	1.86±0.02	1.89±0.02
Mooney Viscosity ML(1+10)121℃	GB/T 1232-1	35-40 45-50 60-65 110-120	20-25 30-35 55-60 60-66	25-30 45-50 55-60 65-70	50-60	55-62	20-25	25-30	28-36
Tensile strength MPa ≥	GB/T 528	12		12	12	12	15	15	15
Elongation at break % ≥	GB/T 528	175	180	180	180	180	180	180	180
Compression Set(200℃,70h) % ≤	GB/T 7759	15		25	30	25			
Fluorine content %		66		68.5	70	66	66	68.5	70
Characteritics and application		Normal rubber product	Excellent procession for extrusion and injection molding	Normal rubber product	Good chemical resistance and liquid resistance	Best low temperature flexibility and sealing, -20℃	Resistance to water vapor		



Your Sourcing Solution



Let us support you with your raw materials needs, and be your sourcing station in China!

Other Business



Shunze: NBR (Distributor in North America)



Tianli IR (SKI-3 replacement): IR 60/70/80/90



Transfar: BR (CB24/22 replacement)



PPI: Mold-free, MF-935P; Dispersing agent: T-78 (CB), B-52 (Silica)



Low melting point EVA bags



Gazprom / Petroredstar: Distributor of N990/N991



Shape Chemical (Distributor in North America)

Thank's For Watching

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