



CS RUBBER INDUSTRY CO., LTD.

# QUALITY CONTROL OF RUBBER COMPOUND

CS Rubber Industry can assure the quality of our products by reliable internal laboratory. we can service test result both compound A and compound B following international standard test method.

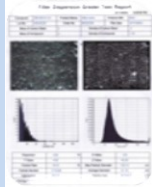
## Quality inspection of compound A (without curing agent)

The test items that we can check and control quality from rubber compound A are as below :

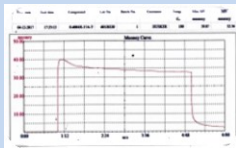
### ❖ Specific gravity



### ❖ Dispersion



### ❖ Mooney viscosity



CS RUBBER INDUSTRY CO., LTD.						
CERTIFICATE OF ANALYSIS						
Product name	MIB BLACK (08YR11)	CS Code	MIB BLACK-051	Lot no.	61042323	Report date
Customer name	SEI CHEMICAL	PO no.	65050001	Batch no.	1-8	04/05/2020
Issued by						Reviewed & Approved by
Tester	Specific Gravity	Mooney	Dispersion			
Unit	g/cm <sup>3</sup>	ML+10/30°C				
Method	ASTM D 297	ASTM D 1646				
Prepared	Event/Date	Event/Date	Event/Date			
Lot	1.09	30.00	-			
RT	1.12	40.00	-			
1	1.12	36.33	P			
2	1.12	-	P			
3	1.11	37.58	P			
4	1.11	-	P			
5	1.11	35.59	P			
6	1.11	-	P			
7	1.12	35.94	P			
8	1.11	-	P			

Test report for compound A

## Quality inspection of compound B (with curing agent)

The basic test items that we can test from compound B are as below :

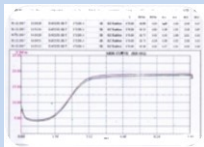
### ❖ Specific gravity



### ❖ Mooney scorch & T5



### ❖ Scorch time & cure time with MDR

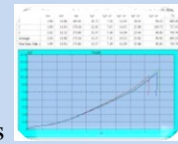


### ❖ Hardness



### ❖ Tensile properties

- ❖ Tensile strength
- ❖ 100% , 300% Modulus
- ❖ Elongation
- ❖ Tear strength , trouser tear



CS RUBBER INDUSTRY CO., LTD.						
CERTIFICATE OF ANALYSIS						
Product name	EPDM 60 BLACK (08YR)	CS Code	E-6069X (08-T)	Lot no.	200403	Report date
Customer name	VXP	PO no.	6303-51	Batch no.	1-3	04/04/2020
Issued by						Reviewed & Approved by
Tester	Specific Gravity	Mooney	MDR	Tensile	Elongation	Hardness
Unit	g/cm <sup>3</sup>	ML+10/30°C	min	MPa	%	Shore A
Method	ASTM D 297	ASTM D 297	ASTM D 1130	ASTM D 412	ASTM D 618	ASTM D 2240
Prepared	Event/Date	Event/Date	Event/Date	Event/Date	Event/Date	Event/Date
Lot	1.09	1.09	3.80	3.70	2-45	2-100
RT	1.10	1.12	2.05	3.00	-	2-65
1	1.10	1.12	2.05	4.20	63.73	143.64
2	1.10	1.12	2.05	4.20	-	15.00
3	1.11	-	2.28	4.42	-	18

Test report for compound B

👉 Test method : ASTM , JIS , DIN , BS , ISO ( depend on each test item ) 👈

The other test method we can send to test at reliable outside laboratory ; example : SGS , Intertek , Dep. of science service , Rubber center - Mahidol , Thailand automotive institute , MTEC , etc.