

KES

Testing Methods for
Synthetic SBR Latex

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1. Scope of Application

This Standard shall be applied to testing method for Synthetic SBR Latex
(Hereinafter called as latex).

2. Converting Method of Numerical Value for Test Content and Test Record

Converting Method of Numerical Value for Test Content and Test Record defined in this standard shall follow table 1. In this case, converting method of obtained test record shall conform to JIS Z 8401 (Converting method of numerical value).

Table 1

Test contents	Unit	Measuring value	Obtained test record
Pre-solid powder	%	3 decimal places	1 decimal place
Soap powder	%	↑	↑
Latex viscosity	cP {mPa · S}	Integer value	Integer value
Remaining stilen powder	%	3 decimal places	2 decimal places
Synthesis stilen powder	%	2 decimal places	1 decimal places
PH	—	1 decimal places	↑
Solidification powder	%	3 decimal places	2 decimal places
Moony viscosity	M	0.5 unit	0.5 unit
Surface tension	Dym / cm {Mn / m}	1 decimal places	Integer value
(Reference) Mechanical stability	%	2 decimal places	1 decimal places

3. Sample Preparing Method

3.1 Collecting preparation

(1) Case of a drum

Mix contents in mixture for approximate 10 minutes at time to be able to open the cap.

In case that there is space more than approximate 2% with the cap sealed, move it to front and rear direction aside for 10 minutes as possible and thereafter station for

approximate 15 minutes with position erected and move it to front and rear direction aside for 10 minutes again.

In case that there is space less than approximate 2% with the cap sealed, move contents to an adequate vessel smaller than the drum and mix through blending well.

(2) Case of a storing tank and a tank vehicle

Collect samples at top, middle and bottom of liquid in a tank and measure pre-solid powder respectively by 4.(1) and if difference is in 0.5% respectively, consider contents as uniform. If exceed 0.5%, make them less than 0.5% by mixing contents well.

3.2 Collecting operation

Latex to complete collecting preparation soon, collect sample by using a circle width operating type sample collector or other adequate tools. Collect sample of 500ml in case of a drum at least. In case of a tank and a tank vehicle, collect sample of 500ml at least at top, middle and bottom of liquid in a tank respectively and take 3 samples one sample by mixing and mix through blending well and thereafter put it in a vessel of latex, poly ethylene or etc which doesn't effect on sample and keep with seal and take a test quickly.

3.3 Preparation of sample

In case of detecting solid film or impurity in latex at collecting sample, record them.

Also, in case of testing except for measurement of solidification powder, filter by using a standard steel strainer of 177 μ m in JIS Z 8801(standard steel strainer) before taking a test. Mix through blending well before test or taking filtration.

4 Testing methods

(1) Pre-solid powder

Collect by measuring sample of approximate 2 g with a flat empty bottle of JIS R 3503 (Glass tool for chemical analysis) to be able to measure weight in advance and