



केन्द्रीय लुग्दी एवं कागज अनुसंधान संस्थान
Central Pulp & Paper Research Institute

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CPPRI/ SPPM Div/2022-23/R-57

TEST REPORT

Sample received from:	PIPL (Pratishthan Industries Private Limited), G1/1, 1/2, MIDC Industrial Area Paithan, Aurangabad, Maharashtra, India
Ref. No. & Date:	Email dated 08.06.2022
Sample Detail:	Molded fiber coffee cup lids
Testing Required:	Repulpability test of Molded Fiber Coffee Cup Lids

Procedure:

For repulpability test, the Molded fiber coffee cup lids sample was slushed in hydrapulper. Two approaches were undertaken for repulping based on pulper types used by mills i.e. low consistency repulping and high consistency repulping. The conditions maintained during evaluation are as follows:

Parameters	Low Consistency Repulping	High Consistency Repulping
Consistency (Cy), %	5	12
Temp, °C	Ambient	Ambient
Slushing time, min.	30	30

The pulp thus obtained was passed through sommerville vibratory screen having 0.15 mm slot and was tested for fibre yield and reject content. The results are summarized below:

Result:

Consistency (%)	Recovered Fibre Yield (%)	Reject (%)	Other losses (Fines & fillers) %
5	56-59	27-30	14
12	89-91	4-5	5-6

Remarks:

- No chemical has been used during repulping.
- Repulping has been done at ambient temperature and under standard condition practiced by mills.
- The maximum achievable fibre recovery is around 91% at 12% consistency.
- The minimum reject content obtained during screening of Molded fiber coffee cup lids sample is around 4%, which is mainly unslushed paper and can be recycled back to the system.
- Hansheets made of screened pulp are clean.



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