



PURCHASE SPECIFICATION
GROUP : Li-Ion cell manufacturing facility

PS-263-022

REV. 01

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Technical Specification

- Trilaminate of PP/PE/PP Grade : Celgard 2320

TABLE 1 SPECIFICATION

Characteristics	Specifications	Achieved value	Certificate no.
Thickness (μm)	20 $\pm$ 2		
Tensile strength (kg/cm^2):			
Machine direction	>1500		
Transverse direction	>115		
Width	62mm and 180mm		
MATERIAL CONFORMATION BY SPECTROSCOPY/THERMAL METHOD			

SCOPE OF SUPPLY:

The scope of supply of Trilaminate are given below in Table 2

TABLE 2 BILL OF MATERIAL

SL NO	DESCRIPTION	QTY
1	Trilaminate- 62mm Slit Width	2232 Square Meter
2	Trilaminate- 180mm Slit Width	2160 Square Meter

ACCEPTANCE CRITERIA:

- Certificate of analysis as per above table with Batch No/Lot No.
- MSDS to be provided along with material.
- Manufacturing date of the material/Chemicals have to be furnished in case of chemicals along with Expiry date/duration (wherever applicable)
- Lots with latest manufacturing date should be supplied wherever Expiry of the material/chemical is a concern.

PACKING:

- Air/Ship worthy packing has to be done for the material for protection from environmental conditions and contamination. The vendor has to provide the details.
- The packing shall meet all applicable safety/statutory requirements for storage/transportation of the material.
- Material has to be supplied to BHEL- ESD at Electronic City, Phase 1, Bangalore 560100.

REVISION :

APPROVED BY :
(SM, LMF)

PREPARED
Sr. Engg (LMF)

ISSUED

DATE
08-02-2021

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ITEM: Trilaminate of PP/PE/PP (GRADE: Celgard 2320)

Application: As the Separator that physically separates the positive and negative electrode in Lithium ion cell

PRE-QUALIFICATION CRITERIA

SL NO	DESCRIPTION	VENDOR TO COMPLY
1	The vendor shall be an original manufacturer or a representative or a dealer of OEM for manufacturing of Trilaminate.	
2	If the offer is from an authorized dealer / representative, he should furnish the authorization letter from the OEM, along with the offer.	
3	The vendor should have supplied the same grade material to ISRO-VSSC. PO Copies/acceptance letter from the same shall be submitted along with the offer.	PO copies/ Acceptance Letters shall be enclosed.
4	Vendor shall provide conformance certificate/ materials certificates along with the material.	
5	In case the above conditions are not met, offer is liable for rejection	

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