



FORM - 21D

DESIGN CRITERIA FORM FOR POLYMER / METAL MATRIX COMPOSITE BRAKE PADS

In accordance with IMTAR- 21, Subpart C3, 21.C3.1.9, 21.C3. 1.10

Reference

Applicant's Reference

Date:

Project : Material :
 Name of Inspection Agency : Manufacturing Process Route :
 Name of the Developing/Manufacturing Agency: Supply Condition :
 Nominal dimension of the component (if applicable):

1.	Reference No.	Date
2.	Part No.	Part name
3.	Brief description of application of part	
4.	Criticality of part	
5.	Type of Brake Pad	
6.	Operating temperature or temperature exposed	
	Parameter	Value
7.	Max. Design Landing weight of Aircraft at Sea level (Kgf)	
8.	Max. Brake Application Speed on Design Landing (m/sec)	
9.	No. of Landing Brakes per Aircraft (Nos.)	
10.	Max. Take-off weight of Aircraft	
11.	Mean Service life of brake linings	
12.	Nominal Friction material thickness per face of brake Disc	
13.	Max. Stopping Distance	

Enclosures:

1. Brief write-up about the Project
2. End use of the Components along with justification for classification
3. Drawings, photographs of components
4. QA Plan

Signature
 Name & Designation
 Name of Organisation (with Seal)

Countersigned by CEMILAC

Version : 2.0

Date: August 2023