



VIRTUE META-SOL

MATERIAL SOLUTIONS

SHOP No:6&7, GROUND FLOOR, SMR VINAY CAPITOL,
OPP BALANAGAR POLICE STATION, HYDERABAD, TELANGANA - 500042, INDIA.

TEST REPORT

Issued to:

M/s. Vector Technics Private Ltd,
1st Floor, Trishula, Plot No: 62, Sy No: 376/A,
Prashant Nagar, Rajiv Gandhi Nagar, IDA, Kukatpally,
Hyderabad, Telangana - 500072.

Test Report No : VMS/R/23-24/0180-1
Test Report Date : 24.05.2023

SAMPLE PARTICULARS

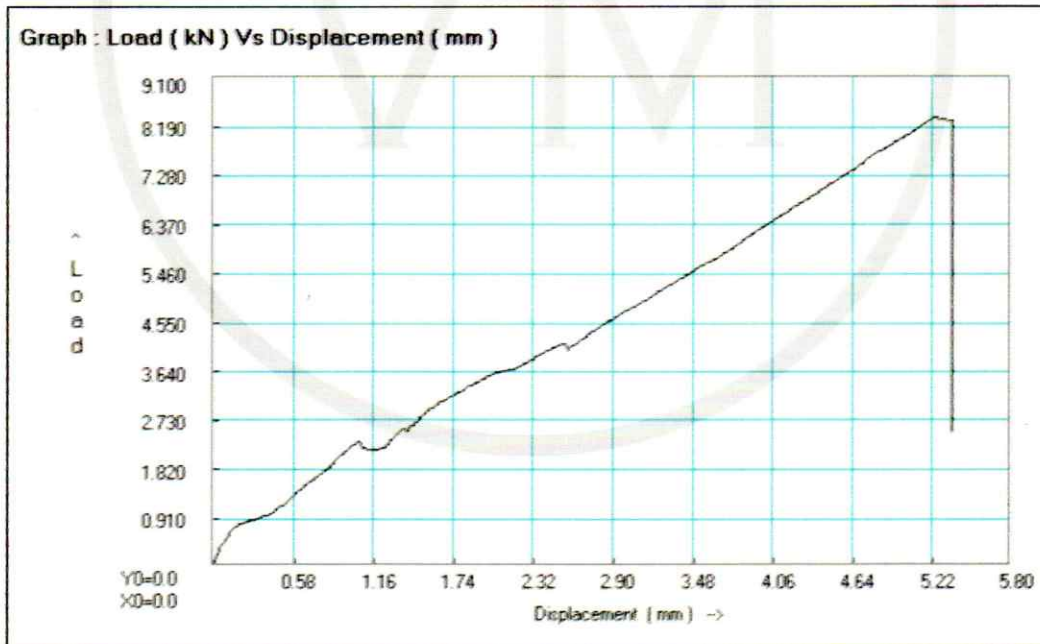
Page 1 of 2

Sample Details : 2308-Propeller (CW, CCW)
Sample Description : Propeller for Drone/UAV
Quantity : 1 No's
Packing Details : Good
Test Required : Breaking Load

Reference Number : NA
Reference Date : NA
Date of Receipt : 23.05.2023
Date of Testing : 23.05.2023
Date of Completion : 23.05.2023

TEST RESULTS

S. No	Test Parameter	UOM	Results
1	Breaking Load	N	8340



Note: Clamping at 50mm and 150mm from Root.

Test Method: Customer Specification, VMS/MECH/SOP/01

Disclaimer - 1: This report relates only to the particular sample submitted for test.

Disclaimer -2: Sampling is done by customer.

END OF THE REPORT

REVIEWED AND AUTHORIZED BY





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SAMPLE PARTICULARS

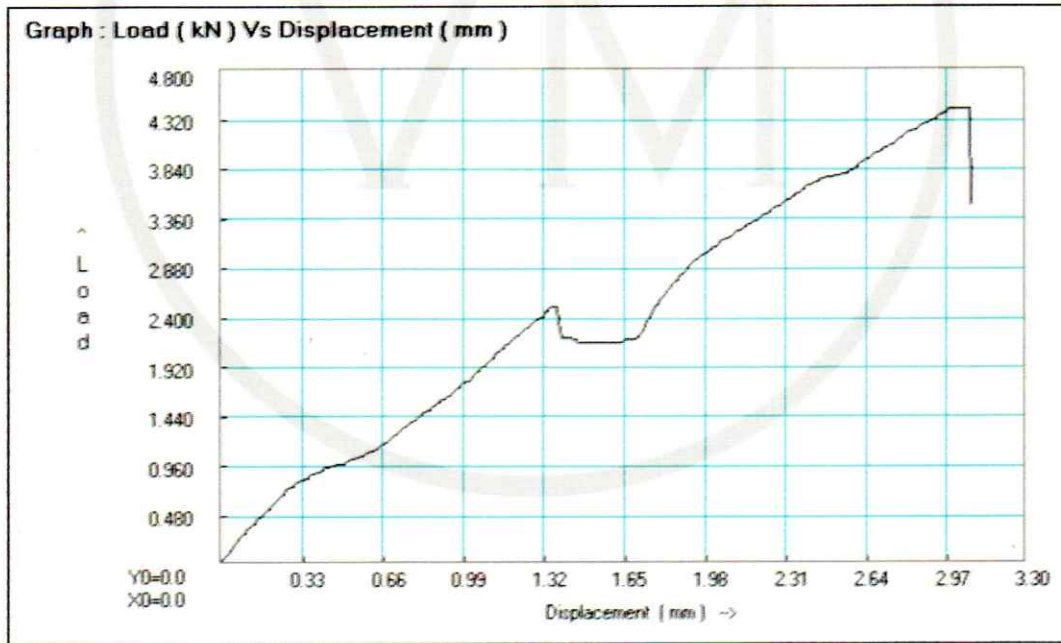
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Sample Details : 2308-Propeller (CW, CCW)
Sample Description : Propeller for Drone/UAV
Quantity : 1 No's
Packing Details : Good
Test Required : Breaking Load, Poisson's Ratio

Reference Number : NA
Reference Date : NA
Date of Receipt : 23.05.2023
Date of Testing : 23.05.2023
Date of Completion : 23.05.2023

TEST RESULTS

S. No	Test Parameter	UOM	Results
1	Breaking Load	N	4420
2	Poisson's ratio	-	0.32



Note: Clamping at 120mm and 180mm from Root.

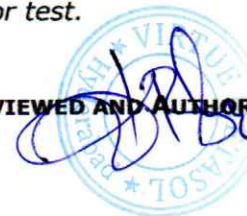
Test Method: Customer Specification, VMS/MECH/SOP/01.

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Test Report No : VMS/R/23-24/0180-2

Test Report Date : 24.05.2023

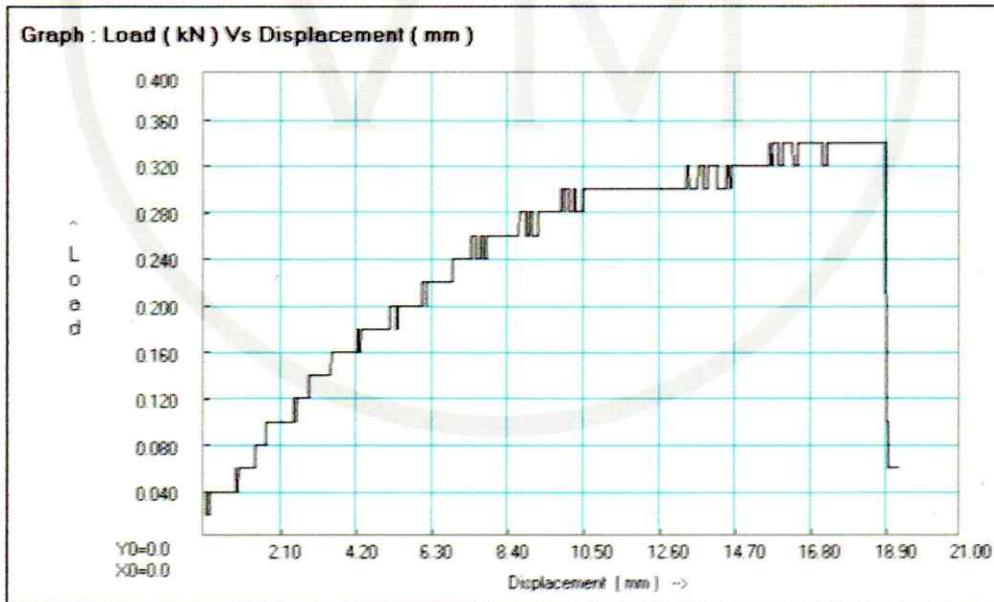
SAMPLE PARTICULARS

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Sample Details	: 2308-Propeller (CW, CCW)	Reference Number	: NA
Sample Description	: Propeller for Drone/UAV	Reference Date	: NA
Quantity	: 1 No's	Date of Receipt	: 23.05.2023
Packing Details	: Good	Date of Testing	: 23.05.2023
Test Required	: Flexural Testing (3 Point Bending)	Date of Completion	: 23.05.2023

TEST RESULTS

S. No	Test Parameter	UOM	Results
1	Flexural Load (3 Point bending Force)	N	340



Test Method: ASTM D792, Customer Specification, VMS/MECH/SOP/01.

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Test Report No : VMS/R/23-24/0180-3
Test Report Date : 24.05.2023

SAMPLE PARTICULARS

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Sample Details	: 2308-Propeller (CW, CCW)
Sample Description	: Propeller for Drone/UAV
Quantity	: 1 No's
Packing Details	: Good
Test Required	: SEM Analysis

Reference Number	: NA
Reference Date	: NA
Date of Receipt	: 23.05.2023
Date of Testing	: 23.05.2023
Date of Completion	: 23.05.2023

TEST RESULTS

S. No	Test Parameter	UOM	Results
1	SEM Analysis	-	The given Drone propeller sample was sectioned (Top, Middle and Bottom) Position and subjected to SEM Analysis (SEM Images are attached as Annexure-I)

Test Method: ASTM D792, Customer Specification, VMS/MECH/SOP/01.

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