



Rotomoulding Testing Services at BITS Pilani KK Birla Goa Campus RMCEER Initiative



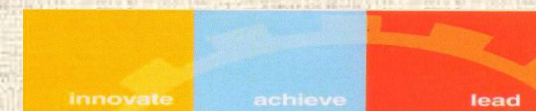
S.No.	Type of Test	Standard	Test Charges INR /Test	Recommend Min. number of Tests
1	Specific Gravity of Granules	ASTM D792	1200	5
2	Melt Flow Index(MFI)	ASTM D1238	1700	5
3	Bulk Density and Dry Flow Time of Powder	ASTM D1895 redefined by ARM for use in Rotational Moulding	1200	5
4	Tensile Strength and Elongation	ASTM D638	1800	5
5	Flexural Strength and Modulus	ASTM D790	1800	5
6	Specimen Making/Conditioning for Tensile test	ASTM D638	1200	5
7	Specimen Making/Conditioning for Flexural test	ASTM D790	1200	5
8	ARM Low Temp Impact at -40°C	ARM	2700	5
9	Izod /Charpy Impact	ASTM D256	1800	5
10	Heat Deflection Temperature (HDT)	ASTM D648	2200	5
11	VICAT Softening Point	ASTM D1525	2200	5
12	Oxidative Induction Time (OIT)	ASTM D3895 DTA method	2700	3



Special Tests on Dynamic Mechanical Analyser (DMA) Q 800 TA instruments

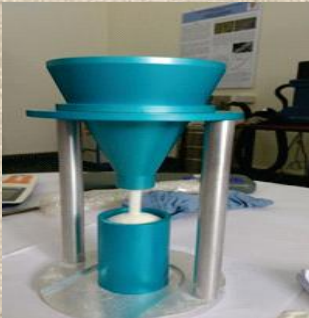
S.No.	Type of Test	Standard	Test Charges INR /Test	Min No. of Test Required
1	Determination of Glass Transition temperature	ASTM E1640-13 or similar	5000	3
2	Determination of Storage, Loss Modulus and Tan Delta	ASTM D4065, D4440, D5279	5000	3
3	Stress Relaxation behaviour of Material including Creep Compliance	Research Study	To be formulated based on the extent of nature of studies to be conducted	
4	Accelerated Creep Testing Using TTS with Maximum force 18 N (In Linear Viscoelastic Region) Maximum Time 8 hours/sample	Research Study		

Other Tests Possible: Scanning Electron Microscopy (SEM), Differential Scanning Calorimetry (DSC), Thermogravimetric Analysis (TGA), Drinking water quality test and many more



TESTING SERVICES FOR ROTATIONAL MOULDING

BITS Pilani KK Birla Goa Campus



Dry Flow Bulk
Density



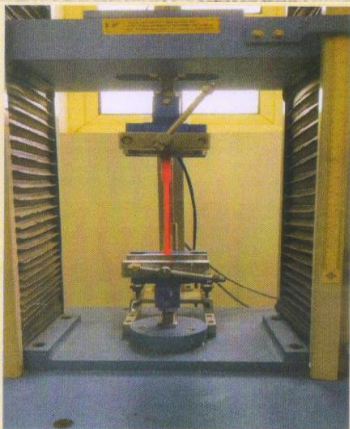
Specific Gravity (Density)



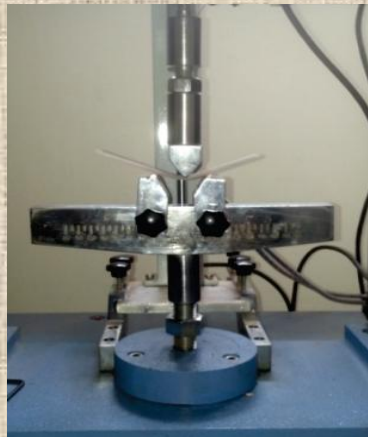
MFI



OIT



Tensile Test



Flexural Test



Lzod /Charpy Impact



DMA



HDT / VICAT

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