Course outline

course work?

Week 1

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Week 3

Week 4

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NPTEL » Processing of Polymers and Polymer Composites



1, 2 and 3

Announcements

About the Course

Ask a Question

Progress Mentor

Unit 5 - Week 4

How does an NPTEL online

Processing of polymer

Compression molding

O Quiz: Assignment 4

O Solution For Assignment 4

Injection molding

composites

Hand lay-up

Spray lay-up

	Assignment 4		
	The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.	Due on 2020-02-26, 23:59	IST.
	In spray lay-up method, the function of a spray gun is to spray pressurized resin, catalyst and reinforcement in the True False	form of chopped fibers.	1 poin
	No, the answer is incorrect. Score: 0 Accepted Answers: True		
	2) Lower the length to diameter (L/D) ratio, greater opportunity for mixing of polymer and fiber; True False No, the answer is incorrect. Score: 0 Accepted Answers: False		1 poin
	3) Hand lay-up process is mostly appropriate for processing of thermoplastic based polymer composites. True False No, the answer is incorrect.		1 poin
	Score: 0 Accepted Answers: False 4) Choose the ODD one out of the following;		1 poin
	Transfer molding Compression molding Injection molding Spray lay-up No, the answer is incorrect.		
	Score: 0 Accepted Answers: Spray lay-up 5) The mechanical properties of polymer matrix composites depend on; Properties of matrix (polymers) Properties of fibers		1 poin
	Fiber volume fraction 1, 2 and 3 1 and 2 1 and 3 2 and 3 No, the answer is incorrect.		
	Score: 0 Accepted Answers: 1, 2 and 3 6) Select the process which is an open mold process;		1 poin
	Reaction injection molding Hand lay-up Transfer molding Injection molding No, the answer is incorrect. Score: 0 Accepted Answers: Hand lay-up		
	7) In, it's a challenge to control the fiber volume fraction; Hand lay-up Injection molding Pultrusion Spray lay-up No, the answer is incorrect. Score: 0		1 poin
	Accepted Answers: Spray lay-up 8) Hand lay-up method can be easily used for manufacturing the; Automotive parts		1 poin
	Dash board Boat hulls All of these No, the answer is incorrect. Score: 0 Accepted Answers: All of these		
2	9) The correct statements in context of spray lay-up method are; Spray lay-up is similar to hand lay-up process, the only difference lies in application of resin and fiber to the mold. It is a closed mold process. The process is well suitable for small to medium volume production. 1 and 3		1 poin
	1 and 2 2 and 3 1, 2 and 3 No, the answer is incorrect. Score: 0 Accepted Answers: 1 and 3		
2	10) The important issues to be considered while selecting any manufacturing process are: Economic viability of the process Technical versatility Quality of product to be manufactured		1 poin
	1 and 2 1 and 3 2 and 3 1, 2 and 3 No, the answer is incorrect. Score: 0 Accepted Answers:		