

Product Data Sheet: NidaFlow R



Low NidaFlow Compression,
Easy To Displace Reinforcement Inside The Mold.

High NidaFlow Compression, Increase Difficulty For
Resin Flow.

% Of Glass Fiber & Recommended Mold Cavity
Segment

Example: P300C300 has a 19% glass content in a 2,5mm part and a P300D300 has a 20%, but the P300C300 will flow better & the P300D300 will have better mechanical performance.

NidaFlow Application For Diferent Part Thickness						
Mold Cavity (mm)	P300C300	P300D300	P450C450	P450D450	P600C600	P600D600
1.5						
2.0	24					
2.5	19	20	27			
3.0	17	17	23	24	30	
3.5	14	15	20	21	26	26
4.0	13	13	18	18	23	23
4.5		12	16	17	20	21
5.0				15	19	19
5.5						18
6.0						

CONDITIONS: unfilled polyester resin ,4 mm mold cavity CFM continuous filament mat.

Resin Flow Performance	
	Kg/min
P450C450	12
P450D450	9
CFM(2 layers of 450 gr/m2)	7

Mechanical Performance		
	Flexural	
	Strenght(Mpa)	Modulus(Mpa)
P450C450	150	6600
P450D450	165	8500
CFM(2 layers of 450 gr/m2)	125	6050