

MFI Test Report



Date of testing: January 23rd, 2024

Standard die (diameter/height): 2.095/8mm

For: 3devo Material Specialist Time

Preheating time: 300s

Testing instrument: Zwick Roell – C Flow

Pre-drying:

Reference standard: ISO 1133-1/-2

Input material data:

Polymer type	
Grade	
Form	
Filling quantity	4.0 ± 0.2g

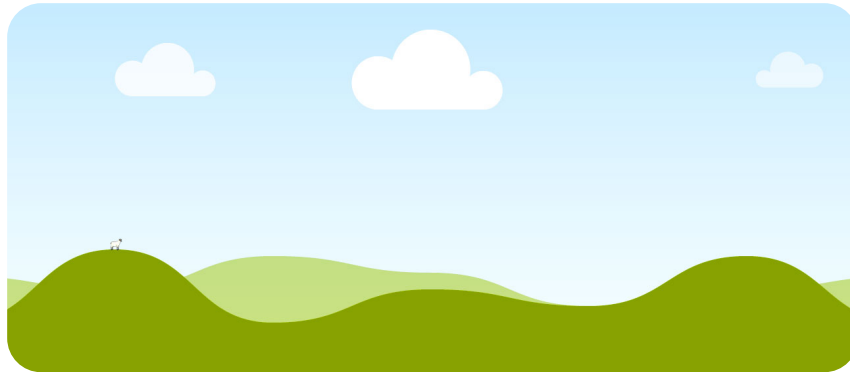
Test weight: kg

Test temperature: °C

Results:

Run number	Measured flow (g/min)	MFI (g/10min)
1		
2		
3		
4		
5		
	Average	
	Standard Deviation	0.05

Visual documentation of findings:



Extrusion expert conclusion:

Based on our extensive experience with 300+ materials. In general, materials with MFI below 10g/10min are suitable for extrusion.

Ranking	Description	Your material's rank
High success chance	As long as the right procedures are followed, you should be able to convert your material into 3D printing filament.	
Possible to extrude	Denotes a high probability of creating good filament, with recommendations for an optimal process.	✓ MFI Xg/10min
Challenging to extrude	Should be possible to convert but not guaranteed. Insights and suggestions will be provided.	
Impossible to extrude	Suggests material conversion to high-quality filament is unlikely; report will offer alternative suggestions for next steps.	