

Wuhan Zeshancheng Biomedical Technology Co., LTD

Certificate of Analysis

Product Name	Polyimide powderPI-1005 (matrimid 5218)			Lot No	20220318902
Packaging	Paper barrel	Quantity	100kg	Manufacturing Date	2022 03 18
Test Items	Methods	Conditions	Units	Index	Results
Color Appearance	Eye Measurement	---	---	Yellow Powder	Yellow Powder
Apparent Density	GB/T1636-2008	25±2℃	g/mL	≥0.30	---
Intrinsic Viscosity	GB/T 1632.5-2008	25±0.01℃	dL/g	≥0.37	0.76
Distribution of Particle Size D50	GB/T19077.1-2003	25±2℃	um	≤25	12.21
Distribution of Particle Size D90		25±2℃	um	≤45	32.44
Glass transition temperature	DSC	℃	---	380±2℃	380℃
Conclusion				Pass	

Analyst: en ye wang



Checker: peipeijie

Intrinsic Viscosity(molecular weight)

η dL/g	$M_n * 10^4$	$M_w * 10^4$	P
0.489	2.0	3.7	≤ 1.76
0.508	2.1	3.9	≤ 1.76
0.550	2.4	4.3	≤ 1.76
0.751	3.6	6.6	≤ 1.76
0.801	4.0	7.3	≤ 1.76
0.845	4.3	7.9	≤ 1.76

Heat flow curve (melt flow index)

