

PRODUCTS TECHNICAL FILE

MANUFACTURER NAME Zhejiang Renon Medical Instrument Co., Ltd.
MANUFACTURER ADDRESS No. 777, Huanzhan East Road, XIZI International Building, Hangzhou, 310026, China
PRODUCT Polystyrene PSM 115

Polystyrene PSM115 (RAW MATERIAL)

INDICATOR	U.M.	Actual values
Appearance of granules / mass fraction from 5 to 8mm	%	0
Appearance of granules / mass fraction of granules, powdery particles up to 2mm	%	0,17
Appearance of disk / surface of the disk	mm	clean and shiny
Appearance of disk / diameter of inclusions in an area of 10 cm ²	pcs	0,3
Appearance of disk / number of inclusions in an area of 10 cm ²	pcs	0,1
Appearance of disk / color		correspond
Mass fraction of residual monomer and impurities (styrene)	%	0,05
Mass fraction of water	%	0,09
Melt flow index	g/10 min	5,3
Variation of melt flow index within one batch	%	+3,5-1,8
Tensile strength	kgf/cm ²	410
Vicat softening temperature	C°	96
Odor and taste in the model medium	score	1
Styrene concentration in the model medium	mg/dm ³	0,003

HAIMEN, 2025.05.29
Place, date

浙江理能医疗器械有限公司
ZHEJIANG RENON MEDICAL INSTRUMENT CO.,LTD
General Manager
Function and signature

