

HP05B PMMA, Optical Grade

PROPERTY	CONDITION	UNIT	METHOD	VALUE
OPTICAL PROPERTIES				
Refractive Index	nd	-	ISO 489	1.49
THERMAL PROPERTIES				
Melt Flow Index	230°C/3.8kg	g/10min	ISO 1133	0.92
Coefficient of Linear Expansion	-	1/°C	ASTM D696	6X10 ⁻⁵
MECHANICAL PROPERTIES				
Appearance	-	-	-	Powder
Solid Contents	RT	Mass %	-	100
GENERAL PROPERTIES				
Density	-	g/cm ³	ISO 1183	1.19
Mold Shrinkage	-	%	ASTM D955	0.2-0.6
Water Absorption	24hr	%	ASTM D570	0.3
RECOMMENDED PROCESSING CONDITIONS				
Predrying Temperature		°C		Max. 90
Predrying Time in Desiccant-Type Drier		hr		3-4
Melt Temperature		°C		230-260

REMARKS : The listed values should be used for reference purpose only.