MD-100

Chemical Name	Poly methyl methacrylate	**Technical Data Sheet**
INCI Name	Poly methyl methacrylate	
CAS No.	9011-14-7	2013-05-01 Supersedes prior issues
Appearance	White fine powder	
Odor	Faint Odor	

Specification

Item		*Limit*	*Test Method*	
1. Moisture(%)		3.0 Max.	M.A Method	
2. Avg. Particle Size(㎛)	D50	8 ~ 11 um	Malvern MasterSizer 2000	[SJ-MM-02]
	D100	25 um		
3. Size distribution		Moderately mono dispersed	Beckman Coulter(LS13320)	[SJ-MM-02]
Volume % 4.665um ~ 15.65um		Minimum 75%		
4. Yellow Index		3.5 Max	COLOR METER	NIPPON DENSHUKU ZE2000
5. Solvent resistance (Toluene : MEK : Powder = 2 : 1 : 2)		100 Max	Brookfield viscometer	No.2 60rpm, 6hr

Characteristics & Application	Moderately mono dispersed and cross linked bead. Standard cross-linked MD-100 bead for the industrial application such as LCD diffusion film & sheets, LCD reflection film and Projection TV Screen. Also, Cross-linked PMMA bead for the industrial application such as coating, paints and resin. Texture, Anti-scratch
Shelf Life	Two Years in a closed container
Toxicology	The information available on MD-100 gives no indication of any risk of toxicity, if the application and the concentrations used are as recommended.
Material Safety Data Sheet	MSDS is available.