

MD-50

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

Specification			
<i>Item</i>		<i>Limit</i>	<i>Test Method</i>
1. Moisture(%)		3.0 Max.	M.A Method
2. Avg. Particle Size(μm)	D50	4 ~ 6 μm	Malvern MasterSizer 2000 [SJ-MM-02]
	D100	14.5 μm	
3. Size distribution		Moderately mono dispersed	Beckman Coulter(LS13320) [SJ-MM-02]
	Volume % : 1.520 μm ~ 10.78 μm	Minimum 80%	
4. Yellow Index		3.5 Max	COLOR METER NIPPON DENSHUKU ZE2000
5. Solvent resistance (Toluene : MEK : Powder = 2 : 1 : 2)		200 Max	Brookfield viscometer No.2 60rpm, 6hr

Characteristics & Application	Moderately mono dispersed and cross linked bead. Standard cross-linked MD-150 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 PMMA 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.