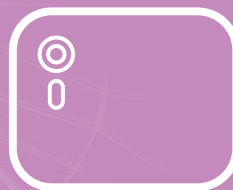


Coating

Matting/Texture for Paint and Ink
Anti-slip for Leather coating



Characteristic of Diasphere[®] for Coating

[Plastic Coating]



[PCM Coating]



Functions

- Abrasion & Scratch Resistance
- Surface texturing soft feel effect
- Gloss Control
- Anti-blocking
(Coefficient of friction control, Dry lubricant effect)

Applications

Paint/Ink and Leather additives

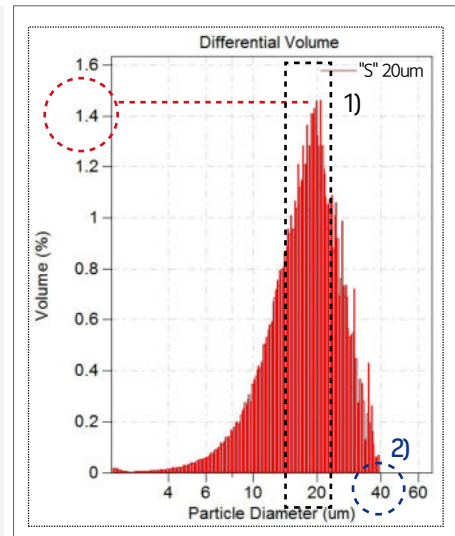
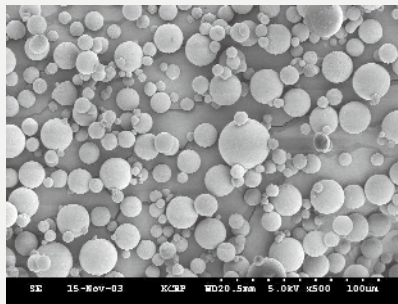
- Texture agent
- Matting agent
- Anti scratch agent
- Rheology control agent etc.

Size Distribution

- Narrow Distribution : Easy to achieve targeting texture
- Control un-expected large size particle : Smooth texture surface

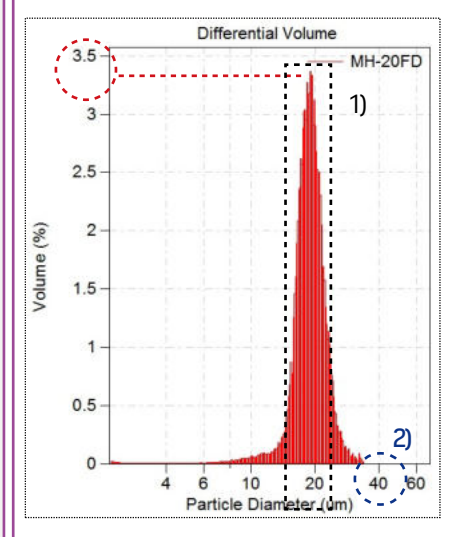
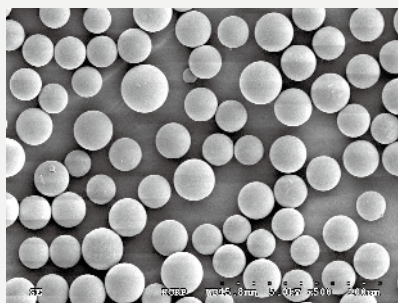
"S" 20um

Avg. : 18.4 um
C.V. : 35.3%
D100 : 38um



ASP MH-20FD

Avg. : 19.1 um
C.V. : 17.3%
D100 : 35um



Characteristic of Diasphere[®] for Coating

Save the Resource

- Same Texture Design, Less than 30% Texture Agents
- Support customer to save the resource

	Competitor 20um(5%)	MH-20FD(2%)	MH-20FD(3.5%)	MH-20FD(5%)
3D				
2D				
Surface Roughness				
Ra	4.448	3.738	4.319	4.69

• Ra : Roughness Average

Leather Coating

- To improve the leather surface such as anti-scratch, matting and processability.
- Recommended grade : MH-5FD, BH-5.

	Component	Size(um)	Softness*	Friction**
MH-5FD	Polymethymethacrylate	5	● 27.0	0.39
BH-5	Polybutylmethacrylate	5	○ 10.4	0.39
Silica	Silica	5	● 340	0.50

* Softness : Hard(●) → Soft(○), 10% compression results

** Static friction μ_s (Toyoseiki, 5% dosage)

