

# SeRM Series Products List (Raw Materials)

Category	Superpolymer										Key-Mixture		
Grade	SH3400P	SH2400P	SH1300P	SH1300P-B	SM3403P	SM2403P	SM1303P	SA3403P	SA2403P	SA1303P	SM3400C	SA3400C	SA2400C
Type	Polyol				UV or Thermal Radical Curing						Low VOC, UV or thermal radical curing		
Mw of PEG	35,000	20,000	11,000	11,000	35,000	20,000	11,000	35,000	20,000	11,000	35,000		20,000
Functional Group	Hydroxyl				Methacryl			Acryl			Methacryl	Acryl	
Overall Mw (representative)	700,000	400,000	180,000	180,000	1,000,000	600,000	180,000	1,000,000	600,000	190,000			
OH Value (representative)	72mgKOH/g	76mgKOH/g	85mgKOH/g	40mgKOH/g									
(Meta) Acrylic Equivalent (g/eq.) (representative)					1,500	1,500	1,300	1,100	1,100	1,000			
Appearance	White to milky white solid				White to pale yellow viscous liquid						White to pale yellow viscous liquid or wax		
Solid Content					50wt% MEK Solution								
Solubility	Soluble : Toluene, Xylene, Acetone, MEK, THF, Acetate esters Insoluble : Water, Methanol, Ethanol				Soluble : Toluene, Xylene, Acetone, MEK, THF, Cyclohexanone, Acetate esters Insoluble : Water, Hexane						Soluble : Toluene, Xylene, Acetone, MEK, THF, Ethyl acetate Insoluble : Water, Hexane		
CSCL registration status	JP : Registered KR : Registered TW : Registered CN : Registered (up to 99t/y)				JP : Registered KR : SM3403P/SM2403P/SM1303P-...Registered						JP : SM3400C/SA3400C/SA2400C ...Registered KR : SM3400C-...Registered		

CSCL : Chemical Substances Control Low

## Notes:

1. License contract is necessary for applications in coatings and adhesives.
2. SeRM cannot be used in applications for dielectric actuators and dielectric sensors. Please contact in advanced for applications mentioned above.

# SeRM Series Products List (Compounding, Pre-Products, Products)

Category	Micro Ball	
Grade	SH2400B-0501	SH2400B-2001
Product Outline	Fine particle containing SeRM Superpolymer	
Properties	<ul style="list-style-type: none"> <li>-Need no special compounding nor formulation</li> <li>-Need no special chemical arrangements</li> <li>-Applicable to thermoplastic resins</li> </ul>	
Average Grain Size	7 μm	20 μm
Appearance	White powder	
Absolute Specific Gravity (He Substitution Method)	1.18g/cc	1.16g/cc
Refractive Index	1.50	1.50
Decomposition starting temperature	306°C	306°C

Category	SA (Sound Absorption) Mixture
Grade	SH3403M2
Product outline	Sound Absorption
Properties	-Two pack type sound absorption processing agent
Curing	Thermosetting
Appearance	<ul style="list-style-type: none"> <li>-Base resin: Transparent, pale yellow liquid</li> <li>-Hardener: Pale yellow or colorless liquid</li> </ul>
Viscosity (25°C) (representative)	<ul style="list-style-type: none"> <li>-Base resin: 1900mPa·s</li> <li>-Hardener: 98mPa·s</li> </ul>

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