

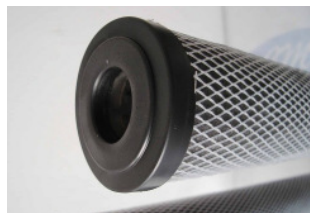


## FINE POWDERS

### Additives and binding agents for various applications

The Schaetti Fine thermoplastic powders based on Low Density Poly Ethylene (LDPE) and alternatively on High Density Poly Ethylene (HDPE) can be applied as additives or binding agents for a wide variety of uses. They are characterized by its narrow particle distribution paired with nearly spherical particle shape and high chemical purity.

The Schaetti Fine Series is used as additives in the manufacture for Sheet or Bulk Molding Compounds (SMC, BMC), dry-cell batteries, elastomer plastics (anti-sticking agents), paints and varnishes.



**schaetti**<sup>+</sup>  
coating technology

# Thermoplastic Fine Powders with nearly Spherical Shape and High Chemical Purity

Schaetti Fine powders are based on Low Density Ethylene (LDPE) and alternatively on High Density Poly Ethylene (HDPE). The specific product properties for LDPE are achieved using a chemical-physical micronisation technique. Based on their properties, they are used as additives and binders for various applications.

Product name	Schaetti Fine XF 1000 (LDPE)	Schaetti Fine XF 1040 (LDPE)	Schaetti Fine XF 1090 (LDPE)
Applications	Water filtration	SMC/BMC, anti-caking, binders, carrier, master-batch, paints and varnishes, textile paste applications	SMC/BMC, anti caking, binders, carrier, master-batch, paints and varnishes, textile paste applications
Properties	<ul style="list-style-type: none"> <li>Narrow particle size distribution</li> <li>Nearly spherical particle shape</li> <li>High density and chemical purity</li> <li>Superior dispersion characteristics</li> <li>Safe, environmentally-friendly, straightforward storage and application</li> </ul>	<ul style="list-style-type: none"> <li>Narrow particle size distribution</li> <li>Nearly spherical particle shape</li> <li>High density and chemical purity</li> <li>Superior dispersion characteristics</li> <li>Safe, environmentally-friendly, straightforward storage and application</li> </ul>	<ul style="list-style-type: none"> <li>Narrow particle size distribution</li> <li>Nearly spherical particle shape</li> <li>High density and chemical purity</li> <li>Superior dispersion characteristics</li> <li>Safe, environmentally-friendly, straightforward storage and application</li> </ul>

Product name	Schaetti SF 1820 (HDPE)
Applications	Sheet Molding Compounds (SMC) Bulk Molding Compounds (BMC)
Properties	<ul style="list-style-type: none"> <li>High cristallinity</li> <li>High melting point</li> <li>High thermal stability</li> <li>Improved shininess</li> </ul>

## PHYSICAL PROPERTIES

Product name	Schaetti Fine XF 1000	Schaetti Fine XF 1040	Schaetti Fine XF 1090	Schaetti SF 1820
Type	LDPE	LDPE	LDPE	HDPE
Melting point (°C)	110 - 115	100 - 110	100 - 110	127 - 135
Melt flow rate (190°C)	2 - 3	55 - 80	180 - 220	20
Hardness (Shore)	D52	D52	D52	D66
Density (g/cm <sup>3</sup> )	0.91 - 0.92	0.91 - 0.92	0.91 - 0.92	0.957
Colour	colorless	colorless	colorless	colorless
Particle size (µm)	< 75 (95-100%)	< 75 (95-100%)	< 75 (95 - 100%)	0 - 80

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