

M40 is a medium molecular weight, solid polyvinyl acetate. It is designed for use in solvent based coatings, inks and adhesives or melt extrusion systems. M40 can also be used as a low profile additive in unsaturated polyester composites, typically pultrusion and BMC processes.

For further information regarding this product please refer to:

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FEATURES

Rapidly dissolves in most organic solvents including styrene

Can be melt processed

Easily plasticised

Can be combined with other M Grades

Excellent low profile performance in BMC & pultrusion processes

M40 is manufactured on a dedicated polymerisation plant and is produced in the form of colourless beads.

Property	Typical Value	Unit	Method ¹
Total Solid Content	>99.0	%	MTP1
Viscosity 20% in ETAc @ 20°C	30 - 50	mPa.s	MTP4
Typical viscosity 40% in styrene @ 23°C	2100 - 4000	mPa.s	
Typical viscosity 40% in styrene @ 25°C	1800 - 3500	mPa.s	
Typical molecular weight	120.000	Da	
Tg	40°C +/-2°C		
Appearance	Solid, colourless beads		

¹ internal method based upon the specified norm

Application Advice

Dissolving - M40 is soluble in many organic solvents such as esters, ketones, aromatic hydrocarbons including styrene and lower alcohols. A more detailed list is available on the datasheet Solvent Solubility and Plasticiser Compatibility. M40 should be added carefully to the solvent system under sufficient agitation to ensure dispersion of the polymer beads.

Melt - M40 is thermoplastic and will gradually soften and flow with increasing temperature. Heat activated coatings and adhesives can also be easily formulated.

Compatibility - M40 is compatible with other M Grade polymers, and can be mixed in any proportion to modify either solution or dry film properties. M40 can be plasticised with many types of plasticiser to modify film properties. Further details are available on request.

Solvent based adhesives including parquet flooring, polyester low profile additive for pultrusion, BMC B-side carrier in polyester SMC.

Shipping and Storage

M40 is a thermoplastic solid. To prevent sticking of the polymer beads the product should be stored in dry conditions, below +20 °C (+68 °F) out of direct sunlight. Pallets should not be stacked. Under these conditions the product has a storage life of at least 24 months from date of delivery. Product which has been stored for longer than 24 months should be tested before use. M40 is supplied in 25kg paper sacks each marked with the grade reference and batch number. The minimum order quantity is 1000kg on a stretch wrapped pallet.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.