

Suspension Homopolymers

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	K-value	Viscosity number	Apparent density	Particle size >250µm	Particle size >63µm	Plasticizer absorption	Volatile content	Main applications
Test methods	ISO 1628-2	ISO 1628-2	ISO 60	ISO 4610	ISO 4610	ISO 4608	ISO 1269	See note on food contact on page 2
Units		ml/g	g/cm ³	%	%	%	%	
SH5730	57	80	0.57	<3.0	>95	18	<0.3	Calendered and extruded rigid film for packaging and technical films; extruded rigid foamed sheet and foam core pipes; injection moulded fittings; blow moulded bottles
SH5730M	57	80	0.57	<3.0	>95	18	<0.3	Calendered rigid film for pharma applications with very low level of residual VC monomer in the polymer
SH6030	60	89	0.56	<3.0	>95	19	<0.3	Calendered and extruded rigid film; extruded rigid sheet and profiles; extruded rigid foam sheet and profiles
SH6520	65	105	0.51	<0.5	>95	28	<0.3	Calendered semi-rigid and flexible film and sheet; extruded flexible clear profiles; flexible injection mouldings; extruded cable insulation/sheathing
SH6521	65	107	0.51	<0.5	>95	29	<0.3	Calendered semi-rigid and flexible film and sheet; extruded flexible clear profiles; flexible injection mouldings; extruded cable insulation/sheathing
SH6530	65	107	0.55	<5.0	>95	23	<0.3	Extruded rigid pipes and profiles; particulary window profiles
SH6630	66	109	0.57	<5.0	>95	21	<0.3	Extruded rigid pipes and profiles; particulary window profiles
SH6830	68	116	0.57	<5.0	>95	22	<0.3	Extruded rigid pipes and profiles; particulary pressure pipes and window profiles
SH7020	70	124	0.49	<5.0	>95	32	<0.3	Calendered and extruded crystal clear film and sheet for packaging and technical films; extruded flexible profiles, tubes and cable insulation/sheathing; flexible injection mouldings
SH7022M	70	124	0.49	<0.5	>95	32	<0.3	Calendered flexible sheet and extruded flexible tubes for crystal clear medical products
SH8020	80	170	0.45	<0.5	>95	39	<0.3	Calendered and extruded crystal clear film and sheet for packaging and technical films; extruded flexible profiles and cable insulation/sheathing; flexible injection mouldings; particulary suitable for applications requiring high mechanical properties

All property data shown above have been obtained from laboratory tests on representative samples of EVIPOL polymers. Although the values are typical, they are for general guidance only, and must not be used as a basis for specifications.

All PVC resins from INEOS Vinyls are marketed under the name EVIPOL.
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Food Contact Applications

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Customers are reminded that Council Directive 78/142/EEC and Commission Directives 80/766/EEC and 81/432/EEC require that plastics materials and articles intended to come into contact with foodstuffs must not contain vinyl chloride monomer in a quantity exceeding 1 mg per kilogram in the final product. Also, these materials and articles must not pass onto foodstuffs which are in contact with such materials and articles, any vinyl chloride detectable by a method having a limit of detection of 0.01 mg per kilogram. In the experience of INEOS Vinyls, compositions based on polymer described in this literature will comply with this requirement when processed in accordance with best known practice.

Furthermore, additives which may be added to INEOS Vinyls polymer to produce compositions are subject to additional regulations with regard to food contact. These regulations differ from one country to another.

Note: It is the responsibility of the customer and producer of the end product to ensure that the final material or article complies with all relevant regulations

INEOS Vinyls' products are supplied only on the strict understanding that the customer and the producer of the end product will ensure that the regulations have been complied with.

Detailed guidance is given in the leaflet EVIPOL Polymer in Food Contact Applications available from the INEOS Vinyls Customer Service Groups listed below.

Information contained in this publication (and otherwise supplied to users) is based on our general experience and is given in good faith, but we are unable to accept responsibility in respect of factors which are outside our knowledge or control. The information supplied in this publication relates to prime quality products only. Users of EVIPOL polymers should consult the appropriate INEOS Vinyls Health and Safety literature which is available from the addresses below.

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