NORVINYL™ INEOS ChlorVinyls

NORVINYL™ Grade Range

	K-value	Viscosity number	Apparent density	Particle size ≥ 250µm	Particle size ≥ 63µm	Plasticiser absorption	Volatile content	Main applications
ISO Test method	1628-2	1628-2	60	4610	4610	4608	1269	See note for medical and food contact on page 2
Units		ml/g	g/cm^3	%	%	%	%	
S5730	57	80	0.57	< 3.0	> 95	18	< 0.3	Calendared and extruded rigid film for packaging and technical films; extruded foamed sheet and foam core pipes; injection moulded fittings; blow moulded bottles.
S5736	57	80	0.57	< 2.0	> 93.5	18	< 0.3	
S5737	56.5	77	0.575	< 1.0	> 95	18	< 0.2	
S5745	57	80	0.58	< 2.0	> 95	19	< 0.4	
S6030	60	89	0.56	< 3.0	> 95	19	< 0.3	Calendared and extruded rigid film; extruded rigid sheet and profiles; extruded rigid foam sheet and profiles.
S6037	60	89	0.54	< 0.2	> 99	23	< 0.2	
S6045	60	89	0.57	< 2.0	> 95	20	< 0.4	
S6245	62	95	0.56	< 1.0	> 95	22	< 0.3	Calendared film and sheet; highly filled flooring; high speed rigid extrusion
S6261	62	95	0.56	< 1.0	> 95	21	< 0.3	
S6338	63	98	0.58	< 1.0	> 98	22	< 0.2	
S6520	65	105	0.51	< 0.5	> 95	28	< 0.3	Calendared semi-rigid and flexible film and sheet; extruded flexible clear profiles; flexible injection mouldings; extruded cable insulation and sheathing
S6550	65	105	0.51	< 0.5	> 95	28	< 0.3	
S6571	65	105	0.555	< 0.5	> 95	28	< 0.3	
S6545	65	105	0.585	< 2.0	> 95	19	< 0.4	Extruded rigid pipes and profiles; particularly pressure pipes and window profiles
S6570	65	105	0.59	< 1.0	> 95	18	< 0.3	
S6610	66	109	0.57	< 5.0	> 95	21	< 0.3	
S6630	66	109	0.57	< 5.0	> 95	21	< 0.3	
S6636	66.5	111	0.575	< 1.0	> 98.5	21	< 0.2	
S6650	66	109	0.57	< 5.0	> 95	21	< 0.3	
S6745	67	112	0.58	< 2.0	> 95	20	< 0.4	
S6770	67	112	0.59	< 1.0	> 95	18	< 0.4	
S6830	68	116	0.57	< 5.0	> 95	22	< 0.3	
S6850	68	116	0.57	< 5.0	> 95	22	< 0.3	
S7010	70	124	0.49	< 0.5	> 95	32	< 0.3	Calendared and extruded crystal clear film and sheet for packaging and technical films; extruded flexible profiles, tubes and cable insulation or sheathing; flexible injection mouldings. Calendared flexible sheet and extruded flexible tubes for crystal clear medical products
S7020	70	124	0.49	< 0.5	> 95	32	< 0.3	
S7050	70	124	0.49	< 0.5	> 95	32	< 0.3	
S7050M	70	124	0.49	< 0.5	> 95	32	< 0.3	
S7060	70	124	0.49	< 0.5	> 95	34	< 0.3	
S8060	80	124	0.47	< 0.5	> 95	36	< 0.3	

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

PVC resins from INEOS ChlorVinyls are marketed under the name NORVINYL™.

MEDICAL AND FOOD CONTACT APPLICATIONS

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 ChlorVinyls, compositions based on polymers described in this literature will comply with the requirement when processed in accordance with best known practice.

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

Customers making medical products are reminded that the maximum level of vinyl chloride of 1 mg/kg in the final product is also a requirement of the European Pharmacopoeia Monograph 3.1.1.1. of 2000 - Materials based on Plasticised PVC for containers for Human Blood and Blood Components and Monograph 3.1.1.2. of 2000 – Materials based on Plasticised PVC for tubing used in sets for the transfusion of blood and blood components.

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 ChlorVinyls' 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. If guidance is required regarding the use of NORVINYL™ Polymers in Food Contact, users should seek assistance from the 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 NORVINYL™ polymers should consult the appropriate INEOS ChlorVinyls Health and Safety literature which is available from the addresses below.

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