

## NORVINYL™ Grade Range

page 1/2

	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 <sup>3</sup>	%	%	%	%	
<b>S5730</b>	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.
<b>S5736</b>	57	80	0.57	< 2.0	> 93.5	18	< 0.3	
<b>S5737</b>	56.5	77	0.575	< 1.0	> 95	18	< 0.2	
<b>S5745</b>	57	80	0.58	< 2.0	> 95	19	< 0.4	
<b>S6030</b>	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.
<b>S6037</b>	60	89	0.54	< 0.2	> 99	23	< 0.2	
<b>S6045</b>	60	89	0.57	< 2.0	> 95	20	< 0.4	
<b>S6245</b>	62	95	0.56	< 1.0	> 95	22	< 0.3	Calendared film and sheet; highly filled flooring; high speed rigid extrusion
<b>S6261</b>	62	95	0.56	< 1.0	> 95	21	< 0.3	
<b>S6338</b>	63	98	0.58	< 1.0	> 98	22	< 0.2	
<b>S6520</b>	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
<b>S6550</b>	65	105	0.51	< 0.5	> 95	28	< 0.3	
<b>S6571</b>	65	105	0.555	< 2.0	> 95	28	< 0.3	
<b>S6545</b>	65	105	0.585	< 2.0	> 95	19	< 0.4	
<b>S6570</b>	65	105	0.59	< 2.0	> 95	18	< 0.3	Extruded rigid pipes and profiles; particularly pressure pipes and window profiles
<b>S6610</b>	66	109	0.57	< 5.0	> 95	21	< 0.3	
<b>S6630</b>	66	109	0.57	< 5.0	> 95	21	< 0.3	
<b>S6636</b>	66.5	111	0.575	< 1.0	> 98.5	21	< 0.2	
<b>S6650</b>	66	109	0.57	< 5.0	> 95	21	< 0.3	
<b>S6745</b>	67	112	0.58	< 2.0	> 95	20	< 0.4	
<b>S6770</b>	67	112	0.59	< 2.0	> 95	18	< 0.4	
<b>S6830</b>	68	116	0.57	< 5.0	> 95	22	< 0.3	
<b>S6850</b>	68	116	0.57	< 5.0	> 95	22	< 0.3	
<b>S7010</b>	70	124	0.49	< 0.5	> 95	32	< 0.3	
<b>S7020</b>	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.
<b>S7050</b>	70	124	0.49	< 0.5	> 95	32	< 0.3	
<b>S7050M</b>	70	124	0.49	< 0.5	> 95	32	< 0.3	Calendared flexible sheet and extruded flexible tubes for crystal clear medical products
<b>S7060</b>	70	124	0.49	< 0.5	> 95	34	< 0.3	
<b>S8060</b>	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™. NORVINYL™ is a trade mark, the property of INEOS ChlorVinyls Limited. © INEOS ChlorVinyls 2011. [www.ineoschlorvinyls.com](http://www.ineoschlorvinyls.com)

## MEDICAL AND FOOD CONTACT APPLICATIONS

page 2/2

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.

### INEOS ChlorVinyls Customer Service Groups

*for Germany, Austria, Switzerland,  
Benelux, France and Spain*

INEOS Vinyls Deutschland GmbH  
Inhausersieler Straße 25  
26388 Wilhelmshaven  
Germany  
Tel. +49 4425 98-01  
Fax +49 4425 98-2408  
[csq.germany@ineos.com](mailto:csq.germany@ineos.com)

*for UK and Ireland*

INEOS ChlorVinyls Limited  
Runcorn Site HQ, South Parade  
P.O. Box 9  
Runcorn, Cheshire WA7 4JE  
United Kingdom  
Tel. +44 1928 516687  
Fax +44 1928 516688  
[sharon.jones@ineos.com](mailto:sharon.jones@ineos.com)

*for Norway, Sweden, Denmark  
Finland, Russia, E. Europe  
Italy and Greece*

INEOS Sverige AB  
SE-444 83  
Stenungsund  
Sweden  
Tel. +46 303 87500  
Fax +46 303 87723  
[logistics.ste@ineos.com](mailto:logistics.ste@ineos.com)

### INEOS ChlorVinyls Business Centre

INEOS ChlorVinyls Limited  
Runcorn Site HQ, South Parade  
P.O. Box 9  
Runcorn, Cheshire WA7 4JE  
United Kingdom  
Tel. +44 1928 516687  
Fax +44 1928 516688  
[corpcom@ineosvinyls.com](mailto:corpcom@ineosvinyls.com)