

## SH6830 PVC Suspension Homopolymer

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### Description

EVIPOL SH6830 is a high molecular weight vinyl chloride homopolymer with high bulk density and low porosity. It is produced by the suspension process.

### Processing

After mixing with appropriate additives, EVIPOL SH6830 is suitable for processing by the extrusion process.

### Applications

EVIPOL SH6830 has a higher molecular weight than EVIPOL SH6630 polymer for applications requiring higher mechanical properties. EVIPOL SH6830 is suitable for a range of clear and opaque rigid applications.

It is typically used for the following applications:

- Rigid profiles, particularly window profiles
- Rigid pipes, particularly pressure pipes, and soil, sewer, rainwater and land drainage
- Rigid sheet, opaque and clear, flat and corrugated sheet
- Rigid duct, conduit and trunking for telecommunications and cable management

### Typical properties

SH6830	K-value	Viscosity number	Apparent density	Particle size > 250 $\mu$ m	Particle size > 63 $\mu$ m	Plasticizer absorption	Volatile content
Test method	ISO 1628-2	ISO 1628-2	ISO 60	ISO 4610	ISO 4610	ISO 4608	ISO 1269
Units		ml/g	g/cm <sup>3</sup>	%	%	%	%
Obtained data	<b>68</b>	<b>116</b>	<b>0.57</b>	<b>&lt; 5</b>	<b>&gt; 95</b>	<b>22</b>	<b>&lt; 0.3</b>

The property data shown above have been obtained from laboratory tests on representative samples of EVIPOL SH6830 polymer. Although the values are typical, they are for 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's 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 and copolymers should consult the appropriate INEOS Vinyls Health and Safety literature which is available from the addresses below.

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