

TECHNICAL DATA SHEET (TDS)

ONGROVIL® S-5070

ONGROVIL® S-5070 is a suspension type PVC homopolymer of medium molecular mass. ONGROVIL® S-5070 is a white powder characterised by a porous particle structure, a narrow range of particle size and a relatively high apparent density together with excellent pourability.

SPECIFICATIONS

Parameters		Unit	Value	Method of test
K-value		-	69-71	MSZ EN ISO 1628-2:1999 (ISO 1628-2:1998)
Volatile content	max.	%	0.3	MSZ EN ISO 1269:2007 (ISO 1269:2006)
Apparent density*		kg/m ³	470-530	MSZ ISO 60:1994 (ISO 60:1977)
Particle size distribution*				
• above 0.250 mm	max.	%	1.0	MSZ EN ISO 4610:2002 (ISO 4610:2001)
• below 0.063 mm	max.	%	5.0	
Plasticizer absorption	min.	%	30.0	MSZ EN ISO 4608:2000 (ISO 4608:1998)
Fish-eyes (DIDP)	max.	pcs/dm ²	36	MFF-414**
Number of impurities	max.	pcs/9dm ²	20	MSZ EN ISO 1265:2007 (ISO 1265:2007)
Residual vinyl-chloride content	max.	mg/kg	1.0	MFF-28**
Specific vol. resistance at 23°C	min.	Ω x cm	5 x 10 ¹³	MFF-30**

* Value is measured by antistatic agent, SiO₂.

** Internal testing method of BC Zrt.

APPLICATION AREAS

ONGROVIL® S-5070 is suitable both for rigid and plasticised applications. It is recommended for the extrusion of cable and core insulation, calendered and blown films, extruded plasticised profiles and sheets, injection moulded articles and production of rigid profiles.

OTHER PROPERTIES

Glass transition temperature: 75-85°C

Density of melted solid PVC resin: 1.41 g/cm³

Flow temperature: 140°C

PACKING, SHIPPING

- 25 kg valve type multi-layer paper-sacks. The allowed deviation of the net weight from the nominal value averages ± 2% for 10 bags.
- At request, in shrink-film wrapped unit packages on pallets or in 20 or 40 feet containers.
- In 2 m³ „big-bags”.
- In bulk in railway or road tankers.

STORAGE

It is to be stored in a cool, dry, well ventilated place on pallets and silo protected against rain, dampness and radiant heat.

Storage temperature: max. 45°C.

SAFETY PRECAUTIONS

Fire hazard class: „D”, moderate flammable.

In case of combustion of PVC resin hydrochloric acid gas is released and carbon monoxide can be released.

Detailed safety information available in the specific material Safety Data Sheet.