

## GEHR Plastics PVC-ELS Polyvinylchloride, Electrically Conductive Grade

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Uncompounded

### Material Notes:

Polyvinyl chloride is a flame retardant material with an exceptional chemical resistance and also with lower stress cracking. PVC-U shows high mechanical strength, tensile strength and the continuous operating temperature is from -15Â°C to 60Â°C. It can also be easily solvent, cemented and welded. Properties include: High mechanical strength, tensile strength and hardnessGood insulation properties for electronicsHigh chemical resistanceSelf-extinguishingLow water absorptionEasy to varnish and glueLow impact strengthLimited weather resistanceApplications include:Pumps and valve bodyGasketsBearing cagesPipe linesHand pump pipesBrush basic bodyParts in the dental medicineSeat stripsPipes for the mounting of kerfsLamp box PVC-ELS has improved electronical conductivity.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_GEHR-Plastics-PVC-ELS-Polyvinylchloride-Electrically-Conductive-Grade.php](http://www.lookpolymers.com/polymer_GEHR-Plastics-PVC-ELS-Polyvinylchloride-Electrically-Conductive-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83	83	DIN 53505
Tensile Strength at Break	36.0 MPa	5220 psi	ISO 527
Tensile Strength, Yield	40.0 MPa	5800 psi	ISO 527
Elongation at Break	20 %	20 %	ISO 527
Elongation at Yield	4.0 %	4.0 %	ISO 527
Modulus of Elasticity	3.00 GPa	435 ksi	ISO 527
Charpy Impact, Notched	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	ISO 179
Coefficient of Friction	0.60	0.60	DIN 53375

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 Â°C	140 Â°F	
Minimum Service Temperature, Air	-15.0 Â°C	5.00 Â°F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm	1000 ohm-cm	VDE 0303
Surface Resistivity per Square	<= 1.00e+16 ohm	<= 1.00e+16 ohm	VDE 0303

Descriptive Properties	Value	Comments
Acid Resistance	yes	
Aromatic Resistance	limited	
Bondability	yes	
CKW Resistance	no	
Color	Black	
Hydrocarbonate Resistance	yes	
Hydroxide Resistance	yes	
Ketone Resistance	no	
Physiological indifference according	no	
Resistance Against Hot Water	no	
UV Stabilization	no	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China