

SUSTAMID® 6 ESD 60

Product characteristics

- Electrically conductive
- Good UV resistance
- Good sliding behaviour

Product applications

- Materials handling industry
- Mechanical engineering
- Explosion protection

	Test method	Unit	Value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,27
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	72
Elongation at break	DIN EN ISO 527	%	8
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3700
Notched impact strength	DIN EN ISO 179	kJ / m ²	5
Shore hardness	DIN EN ISO 868	scale D	87
Thermal properties			
Crystalline grain melting range	ISO 11357-3	°C	222
Electrical properties			
Surface resistivity	IEC 60093	Ω	< 10 ⁴

The following applies to Polyamides: Under the influence of moisture absorption, the mechanical properties change. The material becomes tougher and more resistant to impact, the modulus of elasticity declines. Depending on the environmental atmosphere, the temperature and the period of moisture absorption, only the surface layer is affected by alterations of property to a certain depth. On thick-walled parts, the center area remains unaffected