

**VESTAMID E62-S1**

PA12

Daicel-Evonik Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	10	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	360	MPa	ISO 527
Yield stress	23	MPa	ISO 527
Yield strain	29	%	ISO 527
Stress at break	38	MPa	ISO 527
Strain at break	>50	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	R72	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	170	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	50	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	200	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	2E7	Ohm*m	IEC 62631-3-1
Electric strength	34	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Water absorption	1.1	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62

**Characteristics****Special Characteristics**

High impact or impact modified

**Features**

Ductile

**Applications**

Electrical and Electronical, Medical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America