

VESTAMID E62-S4

PA12

Daicel-Evonik Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	10	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
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 ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m ²	ISO 179/1eA
Rockwell hardness	R72	-	ISO 2039-2
Thermal properties			
ISO Data			
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			
ISO Data			
Volume resistivity	2E7	Ohm*m	IEC 62631-3-1
Electric strength	34	kV/mm	IEC 60243-1
Other properties			
Water absorption	1.1	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62

Characteristics**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance, Solvent Resistance

Regional Availability

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