

Ultrason® Dimension E0510 G9 SW 10112
PESU-GF45

BASF

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	60	cm³/10min	ISO 1133
Temperature	360	°C	-
Load	10	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	15600	MPa	ISO 527
Stress at Break	176	MPa	ISO 527
Strain at Break	1.3	%	ISO 527
Impact Strength (Charpy), +23°C	45	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	50	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	8	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	10	kJ/m²	ISO 179/1eA

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	210	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	12.5	E-6/K	ISO 11359-1/-2

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	125	-	IEC 60112

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1740	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	130 - 150	°C	-
Pre-drying - Time	≥4	h	-
Melt temperature	340 - 390	°C	-
Mold temperature	140 - 180	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	340 - 390	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion, Blow Molding

Delivery form

Pellets, Black