

RIABLEND A 029 XE4291 schwarz

(PC+ABS)-GF20

RIA-Polymers GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	18	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577
Mechanical properties			
Value	Unit	Test Standard	
ISO Data			
Tensile Modulus	6800	MPa	ISO 527
Yield stress	110	MPa	ISO 527
Yield strain	3.7	%	ISO 527
Stress at break	107	MPa	ISO 527
Strain at break	3.8	%	ISO 527
Charpy impact strength, +23°C	65	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	70	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	14.6	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11.5	kJ/m ²	ISO 179/1eA
Thermal properties			
Value	Unit	Test Standard	
ISO Data			
Temp. of deflection under load, 1.80 MPa	133	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	137	°C	ISO 75-1/-2
Vicat softening temperature, B	139	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	1.0	mm	-
Electrical properties			
Value	Unit	Test Standard	
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
Comparative tracking index	175	-	IEC 60112
Other properties			
Value	Unit	Test Standard	
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1300	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Black

Features

Amorphous

Applications

Automotive

Regional Availability

Europe