

Staramide PA6-15V-NAT

PA6-GF15

Eurostar Engineering Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	60	cm ³ /10min	ISO 1133
Temperature	275	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	5700	MPa	ISO 527
Stress at break	127	MPa	ISO 527
Strain at break	3.7	%	ISO 527
Flexural modulus, 23°C	4540	MPa	ISO 178
Charpy impact strength, +23°C	48	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5	kJ/m ²	ISO 179/1eA
Ball indentation hardness	190	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	226	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	175	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	207	°C	ISO 75-1/-2
Vicat softening temperature, B	210	°C	ISO 306
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
ASTM Data			
Surface Resistivity	1E14	Ohm	ASTM D 257
Other properties			
Water absorption	2.2	%	Sim. to ISO 62
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1240	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Features

Low Odor

Delivery form

Pellets, Natural Color

Regional Availability

Europe