

PENTAMID A GV30 H TF15 black
(PA66+PTFE)-GF30

Pentac Polymer GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5 / *	%	ISO 294-4, 2577
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	9000 / 6800	MPa	ISO 527
Stress at break	155 / 110	MPa	ISO 527
Strain at break	3 / 4	%	ISO 527
Charpy impact strength, +23°C	60 / 65	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7 / 10	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	245 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	250 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Other properties	dry / cond	Unit	Test Standard
Water absorption	4.7 / *	%	Sim. to ISO 62
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1470 / -	kg/m ³	ISO 1183
Film Properties	dry / cond	Unit	Test Standard
ISO Data			
Dynamic coefficient of friction	0.22 / *	-	ISO 8295
Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	140 / *	cm ³ /g	ISO 307, 1157, 1628
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3	h	-
Processing humidity	≤0.13	%	-
Mold temperature	60 - 100	°C	-
Feed temperature	80	°C	-
Zone 1	270	°C	-
Zone 2	280	°C	-
Zone 3	285	°C	-
Zone 4	290	°C	-
Zone 5	285	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets, Black

Additives
Lubricants

Special Characteristics
Heat stabilized or stable to heat

Certifications
RoHS compliant

Regional Availability
Europe