

PENTAMID A SK H LT black

PA66

Pentac Polymer GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.9 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.9 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	3600 / -	MPa	ISO 527
Yield stress	90 / -	MPa	ISO 527
Yield strain	4 / -	%	ISO 527
Charpy impact strength, +23°C	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Other properties			
dry / cond			
Water absorption	7.8 / *	%	Sim. to ISO 62
Humidity absorption	2.6 / *	%	Sim. to ISO 62
Density	1130 / -	kg/m ³	ISO 1183

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

Features

Laser Transparent, Nucleated

Delivery form

Pellets, Black

Certifications

RoHS compliant

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Europe