

Kocetal® K100HS

POM

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	2.5	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	66	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Charpy notched impact strength, +23°C	10.5	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 93	-	ISO 2039-2
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	172	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	100	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	19	kV/mm	IEC 60243-1
Other properties			
Density	1410	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3	h	-
Melt temperature	≤220	°C	-
Mold temperature	60 - 80	°C	-
Zone 1	180	°C	-
Zone 2	190	°C	-
Zone 3	190	°C	-
Nozzle temperature	200	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Asia Pacific