

## MATERIAL DATA SHEET

### SKF ECOMID (black, or natural colored) casting polyamide 6

Property	Unit	Value	Standard
Density	g/cm <sup>3</sup>	1,15	DIN EN ISO 1183-1
Ball hardness, wet	N/mm <sup>2</sup>	125	ISO 2039-1
Durometer hardness, wet	Shore D	77	DIN 53505
Yield stress, wet	N/mm <sup>2</sup>	65	DIN 53455
Elongation at break, wet	%	120	DIN 53455
Tensile modulus, wet	N/mm <sup>2</sup>	1800	DIN 53457
Impact resistance, Charpy, 23 °C, wet	kJ/m <sup>2</sup>	no break	DIN 53453
Water absorption 23°C, Saturation	%	8,5	DIN 53495/12
Moisture absorption 23°C, saturation	%	2,2	DIN 53714
Coefficient of sliding	P=0,05 N/mm <sup>2</sup> V=0,6 m/s	0,35 - 0,42	---
Minimum service temperature	°C	- 40	---
Maximum service temperature	°C	+100	---

The mentioned data are only valid for test pieces of the corresponding ISO, DIN and ASTM standards and cannot be directly related to gaskets and joints. These values are only tested on selected samples.