

ECOMID (black) MATERIAL DATA SHEET

casting polyamide 6

Property	Standard	Unit	Value
Density	DIN 53479	g/cm ³	1,15
Ball hardness, wet	DIN 53456	N/mm ²	125
Durometer hardness, wet	DIN 53505	Shore D	77
Yield stress, wet	DIN 53455	N/mm ²	65
Elongation at break, wet	DIN 53455	%	120
Tensile modulus, wet	DIN 53457	N/mm ²	1800
Impact resistance, Charpy, 23 °C, wet	DIN 53453	kJ/m ²	no break
Water absorption 23°C, Saturation	DIN 53495/12	%	8,5
Moisture absorption 23°C, saturation	DIN 53714	%	2,2
Coefficient of sliding		P-0,05 N/mm ² 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.