

MATERIAL DATA SHEET**ECOPA EK - POLYARYLEETHERKETONE
(cream-colored)**

Property	Unit	Value	Testspecification
Density	g/cm ³	1,32	ISO R 1183
Durometer hardness	Shore D	86	DIN 53505
Yield stress	N/mm ²	97	ISO R 527
Elongation at yield stress	%	4,9	ISO R 527
Elongation at break	%	> 50	ISO R 527
Tensile modulus	N/mm ²	3600	ISO R 527
Impact resistance, Charpy + 23°C, - 40°C	kJ/m ²	no break	DIN 53453
Impact resistance notched, Charpy + 23°C	kJ/m ²	8,2	ISO 179
Dimensional stability at high temperature HDT/A	°C	152	ISO R 75
Dimensional stability at high temperature HDT/B	°C	> 250	ISO R 75
Maximum service temperature	°C	260	---
Water absorption 24h / 23°C	%	0,5	ISO R 262 A

The values indicated are based on data determined for samples of the corresponding standards; when transferring these data to the corresponding semifinished product some restrictions should be observed.