

Technical Data Sheet



SUSTAKON® (Polyketone PK)

	Test method	Unit	Value	
General properties				
Density	ASTM D792	g/cm ³	1.24	
Mold shrinkage	ASTM D955	%	1.8 -2.0	
Water content (23° C, 60%RH, Eq.)	ASTM D570	%	0.5	
Mechanical properties				
Tensile strength	ASTM D638	Kg/cm ²	620	
Nominal strain at break	ASTM D638	%	>300	
Flexural strength	ASTM D790	Kg/cm ²	620	
Flexural modulus	ASTM D790	Kg/cm ²	16,000	
Charpy nochtend impact strength	ASTM D256	Kgcm/cm ²	18	
Rockwell hardness	ASTM D785	-	107	
Thermal properties				
Melting temperature	ASTM D1525	°C	220	
Melt flow rate	ASTM D1238	g/10min	6	
Deflection temperature	ASTM D648			
		HDT 0.45MPa (4.6Kg/cm ²)	°C	210
		HDT 1.82MPa (4.6Kg/cm ²)	°C	105
Flammability	UL94	-	HB	
Electrical properties				
Volume resistivity	ASTM D257	Ω *cm	10 ¹⁵	
Dielectric Strength	ASTM D149	KV/mm	17	

The data stated above are average values ascertained by statistical tests on a regular basis.
 The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.
 (*) literature values / depends on application

