

Description	Standards	Unit	MAKAMID BV 240	
			Polyamid 6, easy flow, Setting for short cycle times, fine crystalline, for technically demanding injection molded parts.	
			MAKAMID BV 240	
Density	ISO 1183	gr/cm ³	1,14	
Shrinkage	ISO 2577	%	0,9-1,2	
Waterabsorbtion 23°C x 50% RF	ISO 62	%	2,0-2,5	
Waterabsorbtion NK 23°C / 50 Sättigung	ISO 62	%		
			dry	wet
Bending modulus of elasticity (E-Modul)	ISO 178	MPa		
Flexular strength	ISO 178	Mpa		
Tensile E-Modul	ISO 527	MPa	3 500	1 150
elongation at yield	ISO 527	%	4	22
Yield steress	ISO 527	Mpa	92	45
Stress at Brake	ISO 527	Mpa	68	63
Elongation at brake	ISO 527	%	8	> 100
Impact strength Charpy 23°C	ISO 179/1eu	KJ/m ²		
Impact strength Charpy -30°C	ISO 179/1eu	KJ/m ²		
Impact strength Charpy -40°C	ISO 179/1eu	KJ/m2		
Notched impact strength Charpy 23°C	ISO 179/1eu	KJ/m ²		
Notched impact strength Charpy -30°C	ISO 179/1eu	KJ/m ²		
Notched impact strength Charpy - 40°C	ISO 179/1eu	KJ/m2		
Impact strength Izod 23°C	ISO 180/1C	KJ/m ²	don't break	don't break
Impact strength Izod -30°C	ISO 180/1C	KJ/m ²	don't break	don't break
notched impact strength Izod 23°C	ISO 180/1A	KJ/m ²	2	14
Notched impact strength Izod -30°C	ISO 180/1A	KJ/m ²	2	2
Ball pressure hardness	ISO 2039-1	MPa		
Rockwell hardness	ISO 2039-2	class		
Melting point	ISO 3146-C	°C	222	
Heat resistance 0,45 N/mm2	ISO 75	°C	185	
Heatresistence 1,81 N/mm2	ISO 75	°C	65	
Vicat softening temperature 9,8 N	ISO 306	°C	205	
Vicat softening temperature 49 N	ISO 306	°C	194	
Longterm usage temperature depending on load	IEC 216	°C		
Wear factor K	-	K		
friction coefficient static	-	-		
Friction coefficient dynamic	-	-		
Spezific resistance	IEC 60093	Ω*cm	10 ¹⁴	10 ¹²
Surfaceresistence	IEC 60093	Ω	10 ¹²	10 ¹⁰
Tracking resistance	IEC 60112	V	600	600
Glow wire test GWFI 1mm	IEC 60695-2-12	°C		
Glow wire test GWFI 2mm	IEC 60695-2-12	°C		
Glow wire test GWIT 1mm	IEC 60695-2-13	°C		
Glow wire test GWIT 2mm	IEC 60695-2-13	°C		
Dielectric strength 1 mm	IEC 60243-1	KV/mm		
Dielectric strength 2 mm	IEC 60243-1	KV/mm		
Flammability	FMVSS 302	mm/min	< 75	
Flammability at 0,8 mm	UL 94	-	V2	
Flammability at 1,6 mm	UL 94	-		
Flammability at 3,2 mm	UL 94	-		

Created/Modified

The values in this data sheet correspond to our current state of knowledge, but are not binding. The processor is not exempt from responsible testing and investigation for the intended purpose.