Technical Data Sheet

Product:	**PENTAMID A GV15 MK15 H RC black**	
Description:	Normal viscosity, heat stabilised polyamide 66, 15% glass fiber and 15% mineral filled, Recompound	Product-No.: 661925
DIN EN ISO designation:	PA 66,GF15+MD15,MHRC,S12-070	

Properties	Standard	Unit	d.a.m.	cond.
General Properties				
Density	ISO 1183	g/cm³	1,36	
Viscosity Number	ISO 307	ml/g	130	
Water absorption (saturation)	ISO 62	%	5,2	
Humidity absorption (23ºC/50%r.h.)	ISO 62	%	1,6	
Molding shrinkage parallel.	ISO 294-4	%	0,5	
Molding shrinkage normal	ISO 294-4	%	0,7	
Mechanical Properties				
Tensile E-Modulus	ISO 527-2 (1 mm/min)	MPa	7300	4200
Stress at break	ISO 527-2 (5 mm/min)	MPa	105	75
Strain at break	ISO 527-2 (5 mm/min)	%	5	8
Flexural modulus	ISO 178	MPa		
Flexural strength at break	ISO 178	MPa		
Impact strength (Charpy @ +23°C)	ISO 179/1eU	kJ/m²	52	62
Impact strength (Charpy @ -30°C)	ISO 179/1eU	kJ/m²		
Notched Impact strength (Charpy @ +23°C)	ISO 179/1eA	kJ/m²	6	9
Notched Impact strength (Charpy @ -30°C)	ISO 179/1eA	kJ/m²		
Thermal Properties				
Melting point (DSC)	ISO 11357	°C	258	
Heat deflection temperature HDT/A	ISO 75 (1,80 MPa)	°C	205	
Heat deflection temparature HDT/B	ISO 75 (0,45 MPa)	°C	240	
Flammability class (UL 94)	ISO 1210 (1,6 mm)	rating	HB	
Flammability class (UL 94)	ISO 1210 (3,2 mm)	rating	HB	
Electrical Properties				
Dielectric coefficient @ 1MHz	IEC 60250	--	4	
Dielectric strength	IEC 60243-1	kV/mm	32	
Comparative tracking index	IEC 60112 (CTI)	--	450	

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