

ARKPA66190I

45% glass mineral

Polyamide 66

Product Description

ARKPA66190I PA6.6 is a 45 % glass fiber mineral reinforced product for injection moulding in black colour

Basic Information			
Filler / Reinforcing Material	Glass/mineral, 45% filler by weight		
Features	High gloss, Good solvent resistance Good excellent molding Good electrical properties Good wear chemical Good abrasion resistance Good weather resistance Fuel/oil resistance High heat resistance.		
Appearance	Black		
Shape	Pellet		
Processing method	Injection moulding		
Physical Properties	Rated value	Unit	Test method
Density	1.58	g/cm ³	ASTM D792, ISO 1183
Shrinkage .flow (1.6mm)	0.10 - 0.30	%	ASTM D955
Mechanical Properties	Rated value	Unit	Test method
Tensile Strength (Yield)	160	MPa	ISO 527-2
Elongation at Break	2.6	%	ISO 527-2
Flexural Modulus	11600	MPa	ISO 178
Flexural Strength	241	MPa	ISO 178
Thermal Properties	Rated value	Unit	Test method
Heat Distortion Temp (1.8Mpa,not annealed)	240	°C	ASTM D648, ISO 75-2/A
Melt Flow Temp.	250	°C	DSC
Flammability	Rated value	Unit	Test method
UL Flammability(1.50mm)	HB		UL 94
Update Information			
Notched Izod Impact Strength, ISO 180/1, 23°C, notched .025 in: 90 J/m			
Injection	Rated Value	Unit	
Drying Temp	90.0	°C	
Drying Time	4	hr	
Barrel Rear Temp	250-285	°C	
Barrel Middle Temp	250-285	°C	
Barrel Front Temp	250-285	°C	
Nozzle Temp	265-275	°C	
Mold Temp	30.0-100	°C	
Injection Pressure	50.0-120	MPa	
injection Speed	Slightly faster than average		
Hold Pressure	30.0-80	MPa	
Back Pressure	0.00-0.300	MPa	
Screw Rotationspeed	60-100	rpm	