

GRIMID A 27

PA 66 medium viscosity, general purpose grade

Properties	Test Method	Unit	Typical Value
Physical			
MFI	ISO 292	g/10'	38
Density (23°C)	ISO 1183	g/cm ³	1,13-1,14
Water Absorption (24h/23°C)	ISO 62	%	1,2
Water Absorption at Saturation	ISO 62	%	7,4
Mould Shrinkage (Parallel)	ASTM D-955	%	1,6-2
Mould Shrinkage (Normal)	ASTM D-955	%	1,6-2
Mechanical			
Izod Notched Impact (+23 °C)	ISO 180	J/m	40
Izod Notched Impact Strength(-20 °C)	ISO 180	J/m	30
Charpy Notched Impact (+23 °C)	ISO 179	kJ/m ²	3,8
Charpy Unnotched Impact (+23 °C)	ISO 179	kJ/m ²	>300
Charpy Unnotched Impact (-20 °C)	ISO 179	kJ/m ²	>300
Tensile Modulus	ASTM D-638	N/mm ²	3200
Elongation at Break	ASTM D-638	%	50
Tensile Break Strength	ASTM D-638	N/mm ²	80
Tensile Yield Strength	ASTM D-638	N/mm ²	82
Thermal			
Vicat Temperature (1kg)	ASTM D-1525	°C	248
Vicat Temperature (5kg)	ASTM D-1525	°C	235
Heat Deflection Temperature (0,45 N/mm ²)	ASTM D-648	°C	0
Heat Deflection Temperature (1,82 N/mm ²)	ASTM D-648	°C	85
Continuous Service Temperature (20.000 h)	60216/P1 IEC	°C	90
Electrical			
Volume Resistivity	ASTM D-257	Ohm cm	9*10EXP (15)
Tracking Resistance (CTI-Method A)	60112 IEC	Volt	>600
Electric Strength (Thickness)	ASTM D-149	kV/mm	24
Flammability			
Flammability Rating	UL 94	-	V2@1,6 mm
Glow Wire Test	60695-2-1 IEC	°C	750°@2 mm

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