

SUSTAMID 66 MO

Polyamide 66
Röchling Sustaplast SE & Co. KG

Message:

Product characteristics
High hardness and mechanical strength
Good sliding properties
Good abrasion resistance
Typical fields of application
Mechanical engineering
Vehicle construction
Building industry

General Information	
Features	Good Abrasion Resistance
	High Hardness
	High Strength
	Low Friction

Uses	Automotive Applications
	Building Materials
	Construction Applications
	Engineered Applications

Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	2.8	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	83		ISO 868
Ball Indentation Hardness	180	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3400	MPa	ISO 527-2
Tensile Stress (Yield)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 2.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature			
-- 1	-30.0 to 95.0	°C	
-- 2	< 170	°C	
Melting Temperature	260	°C	ISO 11357-3
CLTE - Flow	8.0E-5	cm/cm/°C	DIN 53752

Specific Heat	1700	J/kg/°C	DIN 52612
Thermal Conductivity	0.23	W/m/K	DIN 52612
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
3.00 mm	HB		
6.00 mm	V-2		
NOTE			
1.	Long Term		
2.	Short Term		

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