

Technical Data Sheet

Schulamid 66 MV HI NAT

Polyamide 66

Product Description

Impact Modified, Flow Enhanced Nylon 6/6

Processing Method Injection Molding

Attribute High Impact Resistance

Resin ID PA66

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.07	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Break	47.6	MPa	ASTM D638
Tensile Elongation at Break	240	%	ASTM D638
Flexural Strength	63.4	MPa	ASTM D790
Impact			
Unnotched Izod Impact	No Break		ASTM D4812
Notched Izod Impact	280	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	101	°C	ISO 75-2
Deflection Temperature Under Load Unannealed (1.80 MPa)	51.1	°C	ASTM D648
Additional Information			
Mold Shrinkage Linear-Flow	1.3	%	ASTM D955

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	80	°C
Suggested Max Moisture	0.040 to 0.10	%
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	66 to 93	°C