

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

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Density	1.07	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Break	47.6	MPa	ASTM D638
Tensile Elongation at Break	240	%	ASTM D638
Flexural Strength	63.4	MPa	ASTM D790
<b>Impact</b>			
Unnotched Izod Impact	No Break		ASTM D4812
Notched Izod Impact	280	J/m	ASTM D256
<b>Thermal</b>			
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
<b>Additional Information</b>			
Mold Shrinkage Linear-Flow	1.3	%	ASTM D955

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
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