

Technical Data Sheet

Schulamid 66 MV 2 BLK 968001



Polyamide 66

Product Description

Medium viscosity Polyamide 66 - standard grade

Regulatory Status

For regulatory compliance information, see *Schulamid 66 MV 2 BLK 968001* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Limited Issue
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Processing Method	Injection Molding
Attribute	Good Surface Finish; Medium Viscosity; Oil Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.14	g/cm ³	ISO 1183
Viscosity Number	140	cm ³ /g	ISO 307
Mechanical			
Tensile Stress at Yield			
(Type 1A, 50 mm/min)	85.0	MPa	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	55.0	MPa	ISO 527-2
Tensile Strain at Yield			
(Type 1A, 50 mm/min)	5.0	%	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	20	%	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	3200	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	1300	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	6.0	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	4.0	kJ/m ²	ISO 179
(23 °C, Type 1, Edgewise, Notch A) - Conditioned	12	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
(23 °C, Type 1, Edgewise) - Conditioned	No Break		ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	240	°C	ISO 306
(A (10N), 50 °C/h)	245	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	220	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	80.0	°C	ISO 75-2/A
Electrical			

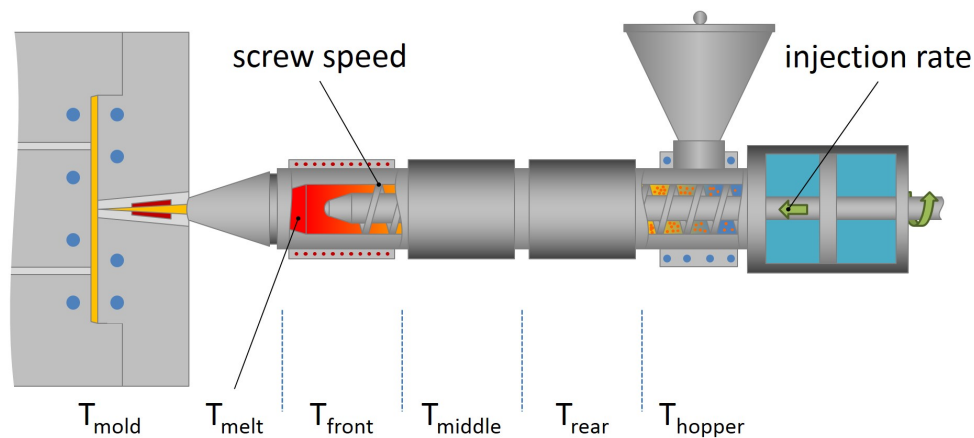
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
- Conditioned	>1.0E+10	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 60093
- Conditioned	>1.0E+12	ohm	IEC 60093

Flammable

Burning Rate			
(2.00 mm)	0.0	mm/min	FMVSS 302
(2.00 mm)	0.0	mm/min	ISO 3795
Glow Wire Flammability Index			
(1.5 mm)	850	°C	IEC 60695-2-12
(3.0 mm)	850	°C	IEC 60695-2-12

UL Information

Flammability Classification			
(1.5 mm)	V-2		IEC 60695-11-10, -20
(3.0 mm)	V-2		IEC 60695-11-10, -20
UL File Number	E86615		



Injection Parameters	Nominal Value	Units
Drying Time	3.0 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	60 to 100	°C

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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