

Technical Data Sheet

Schulablend M/MK 6501 LE SF U NAT



Acrylonitrile Butadiene Styrene + PA

Product Description

High flow ABS/PA6 blend, high impact strength, UV stabilised with optimized Low emission performance for automotive interior applications. (Former name: SCHULABLEND M/MK K2004 SF LE)

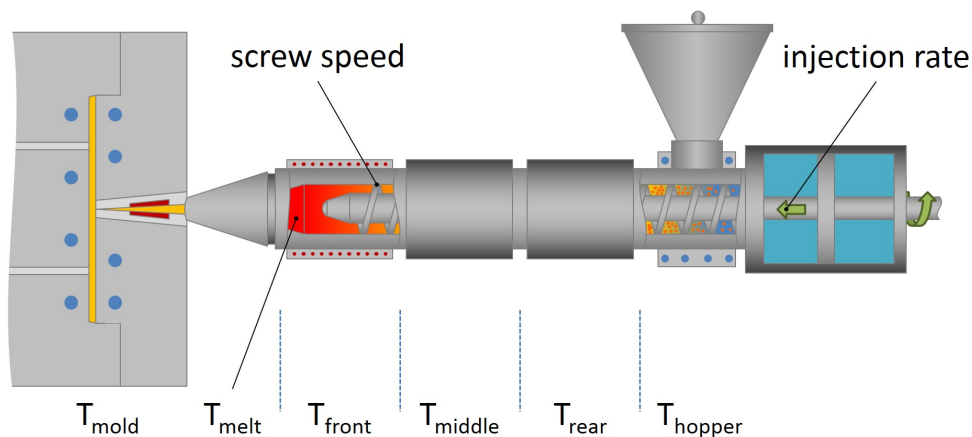
Regulatory Status

For regulatory compliance information, see *Schulablend* M/MK 6501 LE SF U NAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe; North America
Processing Method	Injection Molding
Resin ID	PA+ABS

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (260 °C/5.0 kg)	10	cm ³ /10 min	ISO 1133
Density, (Method A)	1.08	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield			
(Type 1A, 50 mm/min)	40.0	MPa	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	30.0	MPa	ISO 527-2
Tensile Strain at Break			
(Type 1A, 50 mm/min)	120	%	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	200	%	ISO 527-2
Flexural Modulus, (2.0 mm/min)	1700	MPa	ISO 178
Tensile Strain at Yield			
(Type 1A, 50 mm/min)	3.4	%	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	21	%	ISO 527-2
Tensile Stress at Break			
(Type 1A, 50 mm/min)	40.0	MPa	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	38.0	MPa	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	1800	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	900	MPa	ISO 527-1
Flexural Stress			
(2.0 mm/min, 3.5%)	50.0	MPa	ISO 178
(2.0 mm/min, 6.0%)	50.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	90	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	30	kJ/m ²	ISO 179
(23 °C, Type 1, Edgewise, Notch A) - Conditioned	88	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)	130 °C	ISO 306	
(A (10N), 50 °C/h)	200 °C	ISO 306	
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	90.0 °C	ISO 75-2/B	
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	60.0 °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)	60 mm/min	ISO 3795	
(2.00 mm)	60 mm/min	FMVSS 302	
UL Information			
Flammability Classification			
(1.5 mm)	HB	IEC 60695-11-10, -20	
(3.0 mm)	HB	IEC 60695-11-10, -20	



Injection Parameters	Nominal Value	Units
Drying Time	4	hr
Drying Temperature	80	°C
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	40 to 80	°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/>.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.