

Technical Data Sheet

Schulablend M/MW UV 5Z CANBERRA BEI



Acrylonitrile Styrene Acrylate + PA

Product Description

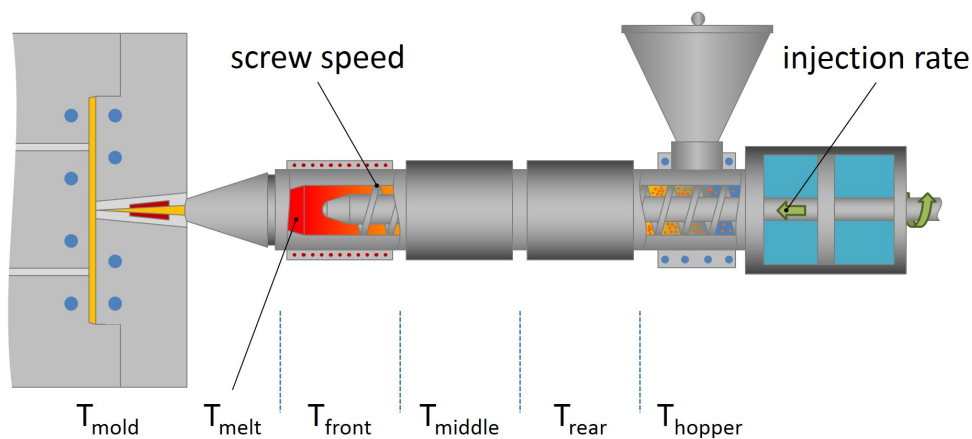
ASA/PA blend with excellent light stability, impact properties and with high heat resistance

Regulatory Status

For regulatory compliance information, see *Schulablend* M/MW UV 5Z CANBERRA BEI [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific; Europe; Latin America; North America
Processing Method	Extrusion; Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/5.0 kg)	15	cm ³ /10 min	ISO 1133
Density, (Method A)	1.11	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield			
(Type 1A, 50 mm/min)	44.0	MPa	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	34.0	MPa	ISO 527-2
Nominal Tensile Strain at Break			
(50 mm/min, Type 1A) - Conditioned	>200	%	ISO 527-2
(50 mm/min, Type 1A)	>100	%	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	1800	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	800	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	21	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	10	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	8.0	kJ/m ²	ISO 179
(23 °C, Type 1, Edgewise, Notch A) - Conditioned	40	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-20 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	95.0	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	135	°C	ISO 306
(A (10N), 50 °C/h)	208	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	56	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	96.0	°C	ISO 75-2/A



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/>.

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