

Technical Data Sheet

# Schuladur A MV 14

Polybutylene Terephthalate  
LyondellBasell Industries  
Engineering Plastics

## Product Description

Medium viscosity non-reinforced PBT compound

## General

UL File Number	• E86615
Processing Method	• Extrusion • Injection Molding
Resin ID (ISO 1043)	• PBT

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.31 g/cm <sup>3</sup>	1.31 g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/2.16 Kg)	15 cm <sup>3</sup> /10min	15 cm <sup>3</sup> /10min	ISO 1133
Water Absorption			ISO 62
Equilibrium, 73°F (23°C), 50% Rh	0.50 %	0.50 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	377000 psi	2600 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	7980 psi	55.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0 %	4.0 %	ISO 527-2/1A/50

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	2.4 ft·lb/in <sup>2</sup>	5.0 kJ/m <sup>2</sup>	
73°F (23°C)	2.9 ft·lb/in <sup>2</sup>	6.0 kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
73°F (23°C)	No Break	No Break	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	302 °F	150 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	131 °F	55.0 °C	ISO 75-2/Af

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·m	> 1.0E+13 ohms·m	IEC 62631-3-1
Comparative Tracking Index	600 V	600 V	IEC 60112

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302
Flammability Classification			IEC 60695-11-10, -20
0.06 In (1.5 Mm)	HB	HB	
0.12 In (3.0 Mm)	HB	HB	
Glow Wire Flammability Index			IEC 60695-2-12
0.06 In (1.5 Mm)	1380 °F	750 °C	
0.12 In (3.0 Mm)	1380 °F	750 °C	

## Additional Information

- 1.) Not for use in food contact applications
- 2.) Not for use in medical or pharmaceutical applications

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	248 °F	120 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Suggested Max Moisture	0.05 %	0.05 %
Processing (Melt) Temp	482 to 500 °F	250 to 260 °C
Mold Temperature	158 to 194 °F	70 to 90 °C

### Notes

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