SCHULADUR® A GB 30 SCHWARZ

PBT-GB30 LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**7.5**	cm³/10min	ISO 1133
Temperature	**250**	°C	-
Load	**2.16**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**4100**	MPa	ISO 527
[C] Stress at break	**54**	MPa	ISO 527
[C] Strain at break	**3**	%	ISO 527
[C] Charpy impact strength, +23°C	**60**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**35**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**3.5**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**3**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**80**	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**172**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**189**	°C	ISO 306
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Yellow Card available	**yes**	-	-
[C] Burning Behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.0**	mm	-
Yellow Card available	**yes**	-	-
[C] Burning rate, FMVSS, Thickness 1 mm	**40**	mm/min	ISO 3795 (FMVSS 302)

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**>1E13**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	**>1E15**	Ohm	IEC 62631-3-2
[C] Comparative tracking index	**200**	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1510**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa