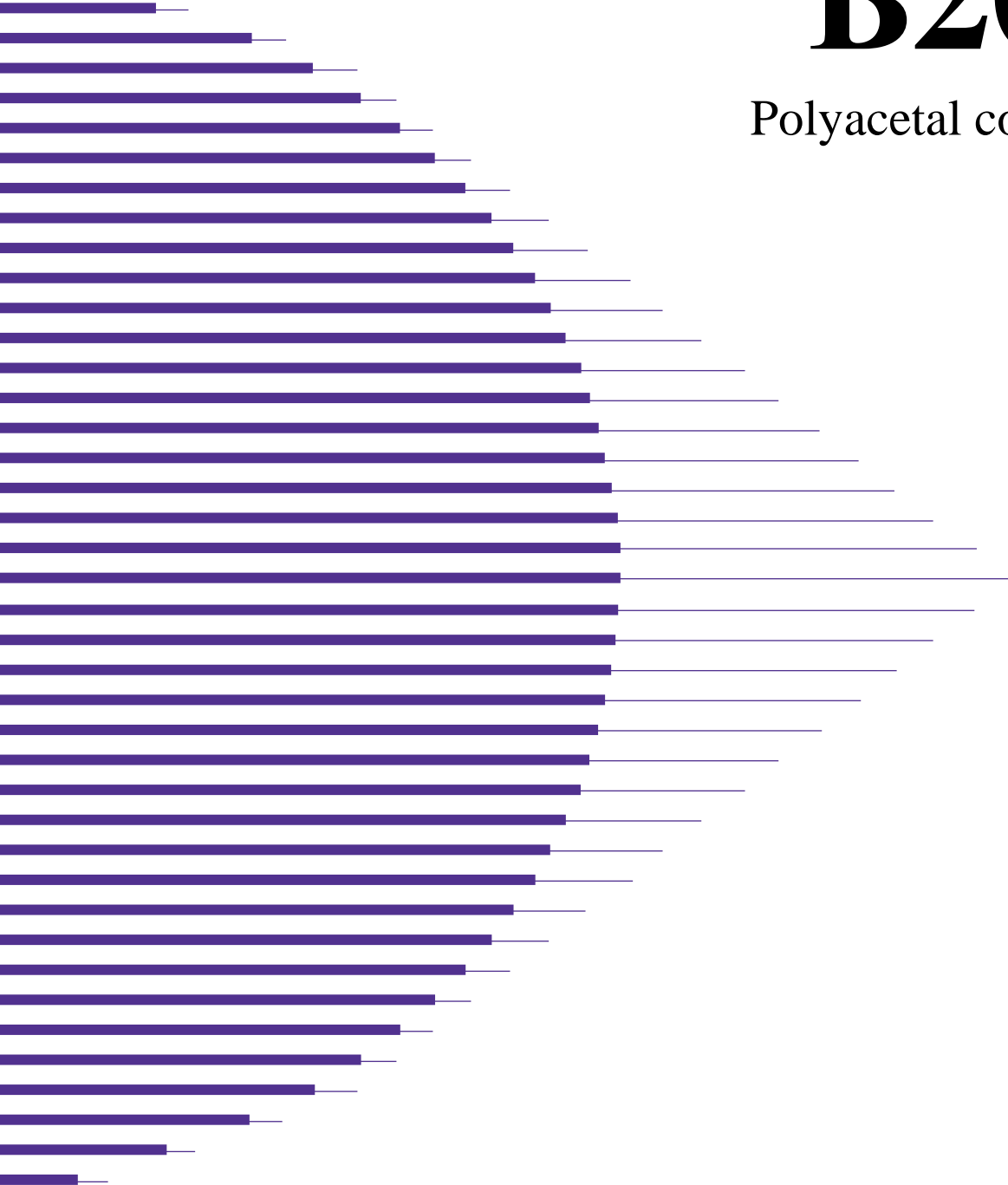


B20

Polyacetal copolymer



Properties

Properties	Test Method	Terms	Units	B20
Physical properties				
Density	ISO 1183	-	g/cm ³	1.41
Water absorption	-	23degC, 60%RH	%	0.22
Rheological properties				
Melt Mass-flow Rate	ISO 1133	Temperature Load	g/10min	9.0
Melt Volume-flow Rate			cm ³ /10min	7.7
			degC	190
			kg	2.16
Moulding shrinkage (3mmt)	-	MD TD	%	2.0 -
Mechanical properties				
Tensile modulus	ISO 527-1 , 527-2	-	MPa	2900
Yield stress				64
Yield strain			%	8.5
Nominal strain at break				30
Stress at break			MPa	-
Strain at break	%	-		
Flexural strength	ISO 178	-	MPa	90
Flexural modulus				2600
Charpy impact strength	ISO 179-1 , 179-2	23 degC	kJ/m ²	250
Charpy notched impact strength		23 degC	kJ/m ²	7.0
Thermal properties				
Melting temperature	ISO 11357-3		degC	166
Temperature of deflection under load	ISO 75-1 , 75-2	1.80MPa 0.45MPa	degC	100 156
Coefficient of Linear thermal expansion	ISO 11359-2	MD TD	1/degC	1.1E-04 1.1E-04
Flammability	UL94	0.8mmt	-	HB equivalence
Electrical properties				
Relative permittivity	IEC 60250	100Hz 1MHz	- -	3.9 3.9
Dissipation factor	IEC 60250	100Hz 1MHz	- -	0.002 0.007
Volume resistivity	IEC 60093	-	ohm-m	1.E+12
Surface resistivity	IEC 60093	-	ohm	1.E+16
Electric strength	IEC 602431	1mmt 3mmt	MV/m	32 19
Comparative tracking index	IEC 60112	-	-	600