

Values data sheet Telene® 1650 A/BK

Ref : VA – WM – 2015/02

Properties	Standard N°	Unit	1650
Specific Gravity	ISO 1183	n.a	1.03
Tensile Modulus	ISO 527	MPa	1870
Tensile Strength @ Yield	ISO 527	MPa	43
Elongation @ Yield	ISO 527	%	5
Flexural Strength	ISO 178	MPa	67
Flexural Modulus	ISO 178	MPa	1850
Compressive Modulus	ISO 604	MPa	1900
Compressive Strength	ISO 604	MPa	70
Shear Strength	ASTM D732	MPa	53
Impact Strength (notched Izod) @ +23°C	ISO 180/A	KJ/m ²	30
Rockwell Hardness	ISO 2039-2	HRR	114
Glass Transition Temperature	Method 1	°C	155
Heat Distortion Temperature (under 1.8 MPa Load)	ISO 75/A T _{fe} 1,8	°C	120
Linear Thermal Expansion	ISO 11359	m/m/°C	79 x 10 ⁻⁶
Processing Parameters			
Smoke time @ 30°C	Method 4	Sec	90 +/- 10
Initial Viscosity @ 30°C	Brookfield	Cps	310 to 390
Exotherm Temperature	Method 4	°C	> 180

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