



TECHNICAL DATASHEET

Argutec P 151 ABS HH Black

Argutec P 151 ABS HH Black is a high chemical resistance extrusion grade with increased heat resistance.

Property	Units	Standard	Test Condition	Values
Rheological Properties				
Melt Volume Rate	cm ³ /10min	ISO 1133	220 °C/10 kg	5,5
Mechanical Properties				
Charpy Notched Impact Strength	kJ/m ²	ISO 179	23 °C	11,9
Charpy Notched Impact Strength	kJ/m ²	ISO 179	-30 °C	8,0
Yield stress	MPa	DIN EN ISO 527-1, -2	50 mm/min	41
Elongation stress	%	DIN EN ISO 527-1, -2	50 mm/min	3,0
E-module train	MPa	DIN EN ISO 527-1, -2	50 mm/min	2,59
Ball Indentation	N/mm ²	ISO 2039-1		112
Izod notched impact strength	kJ/m ²	DIN EN ISO 180 / 1A	23 °C	11,4
Izod notched impact strength	kJ/m ²	DIN EN ISO 180 / 1A	-30 °C	7,8
Tensile stress at break	MPa	DIN EN ISO 527-1, -2	50 mm/min	37
Elongation at break	%	DIN EN ISO 527-1, -2	50 mm/min	36
Fire behaviour		IEC 60695-11-10	UL-94 1.6 mm	HB
Thermal Properties				
Vicat Softening Temperature, VST/B/50	°C	ISO 306	50 N, 120 °C/h	108
Thermal conductivity	W/mK	ASTM E1461	23 °C	0,18
Coefficient of thermal expansion				
longitudinal to the extrusion direction	ppm/K	DIN53752		85
transverse to the extrusion direction				110
Other Properties				
Density	g/cm ³	ISO 1183		1,07