



CAN-AM CHAINS

Castle Black

This grade of material exhibits excellent machinability, high mechanical properties, good resistance to chemicals and produces a low friction self-lubricating material with superior properties.

	Value:	Unit:	Test Method:
Physical Properties:			
Colour	Black		
Food Compliance	N		
Specific Gravity	1150	Kg/m3	ISO 1183
Moisture pick-up till saturation	2.2	%	ISO 62 (in normal climate 23°C)
Water absorption till saturation	6.2	%	ISO 62 (in water at 23°C)
Mechanical Properties:			
Tensile strength at yield	82	N/mm ²	ISO 527-2
Elongation at break	30	%	ISO 527-2
Rockwell hardness	112	R	ISO 2039-2
	84	M	ISO 2039-2
	85	Shore D	ISO 868
Coefficient of Friction	0.25	-	-
Thermal Properties:			
Maximum Service Temperature	105	°C	Continuous
Maximum Service Temperature	170	°C	Intermittent
Minimum Service Temperature	-40	°C	Continuous
Melting Temperature	220	°C	-
Coefficient of Thermal Expansion	0.8x10 ⁻⁴	°C ⁻¹	ISO 11359-2 (23-55°C)
Flammability	HB		UL94

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