

CAST NYLON 6

Black Molybdenum Disulphide

PHYSICAL PROPERTIES

Density	DIN 53479	g/cm ³	1.15
Tensile Strength at yield	DIN 53455	MPa	75
Elongation at break	DIN 53455	%	40
Charpy Impact Strength	DIN 53453	kJ/m ²	No break
Max Service Temperatures	Short term	°C	170
	Long term	°C	100
Water absorption (at saturation at 23°C)	DIN 53495	%	6
Ball Indentation Hardness	DIN 53456	MPa	145
Modulus of Elasticity in Flexure	DIN 53457	MPa	
Modulus of Elasticity in Tension	DIN 53457	MPa	2800

Technical Data Sheet

FURTHER INFORMATION

Electrical Properties

Specific Volume Resistance	DIN 53482	Ω * cm	
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Thermal Properties

Co efficient Thermal Expansion		10 ⁻⁵ /K	9.5
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Fire Behaviour

Flammability		UL94	HB
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The above data is based on present knowledge and is given without guarantee.
Existing laws and conditions are to be respected by the user of our products.

PARTWELL LIMITED
CUTTING TECHNOLOGY SPECIALISTS
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