



TECHNICAL DATA – ACETAL (POM) Copolymer
NATURAL / BLACK

<i>MATERIAL PROPERTIES</i>	<i>STANDARD</i>	<i>UNIT</i>	<i>VALUE</i>
DENSITY	ISO 1183	g/cm ³	1.41
WATER ABSORPTION (@23 °C / 50% RH)	ISO 62	%	0.25
<i>MECHANICAL</i>			
TENSILE STRESS AT BREAK	ISO 527	MPa	70
MODULUS OF ELASTICITY	ISO 527	MPa	3100
IMPACT STRENGTH	DIN 53453	(kJ/m ²)	NB
NOTCHED IMPACT STRENGTH	DIN 53453	(kJ/m ²)	>10
BALL INDENTATION HARDNESS	ISO2039-1	(N/mm ²)	150
ROCKWELL HARDNESS	ISO2039-2	-	M85
COEFFICIENT OF FRICTION (DRY vs STEEL)			0.25-0.45
<i>THERMAL</i>			
MELTING POINT	DIN5376	°C	165
COEFFICIENT OF LINEAR THERMAL EXPANSION (23-60°C)	ISO 11359	m/(m-K)	80*10 ⁻⁶
MAX WORK TEMP	-	°C	100
MAX BRIEF TEMP	-	°C	140
MIN TEMP	-	°C	-40
FLAMMABILITY OXYGEN INDEX UL94	4589	%	15 HB/HB
<i>ELECTRICAL</i>			
DIELECTRIC CONSTANT	DIN 53483	@50HZ DRY	3.8
VOLUME RESISTIVITY	DIN 53482	Ohm*cm	> 10 ¹³
TRACKING RESISTANCE	DIN 53480		> 600
DIELECTRIC STRENGTH	DIN 53481	kV/mm	40
<i>PHYSIOLOGICAL</i>			
FOOD CONFORMITY TO			
EU		YES	
FDA		YES	

TECHNICAL DATA GIVEN ABOVE REFERS TO A 40mm THICK SHEET, THIS DATA MAY VARY SLIGHTLY DEPENDING ON MATERIAL THICKNESS.
ALL INFORMATION IS GIVEN IN GOOD FAITH AND WITHOUT WARRANTY