

POM

CF610

Mechanical behavior	Condition	Standard	Value	Unit
Tensile Strength	Break 23°C	ASTM D638	94	MPa
Friction Coefficient	Dynamic	ASTM D3702	0.15	
Elongation	23°C	ASTM D638	5	%
Flexural Modulus	23°C	ASTM D790	6400	MPa
Flexural Strength	23°C	ASTM D790	137	MPa
Izod Notch Impact		ASTM D256	45.91	kJ/m ²
Izod Notch Impact	23°C	ASTM D256	4.59	kJ/m ²
Thermal	Condition	Standard	Value	Unit
HDT	Unannealed 0.45MPa	ASTM D648	165	°C
HDT	Unannealed 1.8MPa	ASTM D648	160	°C
Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	1.45	g/cm ³
Shrinkage	Flow	ASTM D995	0.5	%
Shrinkage	xFlow	ASTM D995	1	%
Hardness	Condition	Standard	Value	Unit
Rockwell Hardness	M(Scale)	ASTM D785	85	