

## POM

I. Physical Properties	I. 물리적 특성	Test Method	Unit	Value
Specific Gravity	비중	ISO 1183	g/cm <sup>3</sup>	1.41
Water Absorption	수분 흡수율	DIN 53495	%	0.2
Max. permissible service temperature	사용온도			
Upper temperature limit	최고	-	°C	110
Lower temperature limit	최저	-	°C	-50
II. Mechanical Properties	II. 기계적 특성	Test Method	Unit	Value
Tensile Strength at yield	인장강도	ISO 527	MPa	64
Elongation at yield	항복점	ISO 527	%	10
Tensile strength at break	장력	ISO 527	Mpa	-
Elongation at break	파단점	ISO 527	%	31
Izod Impact Strength	Izod 충격강도	ISO 179	KJ/m <sup>2</sup>	7.3
Rockwell Hardness	Rockwell 경도	ISO 2039-1	Mpa	135
Flexural Strength	굴곡강도	DIN 53505	Mpa	-
Modulus of elasticity	탄성율	ISO 178	Mpa	2600
III. Thermal Properties	III. 열적 특성	Test Method	Unit	Value
Vicat softening temp.	연화점	ISO 306	°C	-
Heat Deflection Temperature	열변형 온도	ISO 75	°C	130
Cof. Of linear therm. Expansion	선팽창계수	DIN 53752	K <sup>-1</sup> ×10 <sup>-4</sup>	1.1
Thermal conductivity at 20°C	열전도도	DIN 52612	W/(m × K)	0.31
IV. Electrical Properties	IV. 전기적 특성	Test Method	Unit	Value
Volume resistivity	체적저항	VDE 0303	Ω*cm	≥ 10 <sup>13</sup>
Surface resistivity	표면저항	VDE 0303	Ω	≥ 10 <sup>13</sup>
Dielectric constant at 1MHz	유전율	DIN 53483		3.8
Diel. Loss factor at 1MHz	유전정점	DIN 53483		0.005
Dielectric strength	유전파과전압	VDE 0303	KV/mm	40
Tracking resistance	내 트래킹 저항	DIN 53483		CTI 600
V. Additional Data	V. 기타	Test Method	Unit	Value
Bond ability	접착성	-	-	+
Friction coefficient	마찰계수	DIN 53375	-	0.35
Flammability	연소성	UL 94	-	HB
UV stabilisation	UV 안정성			0