TENAC™ LP402

POM — Asahi Kasei

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**7.8**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
Melt flow index, MFI	**9**	g/10min	ISO 1133

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2700**	MPa	ISO 527
Yield stress	**61**	MPa	ISO 527
Strain at break	**45**	%	ISO 527
Flexural modulus, 23°C	**2500**	MPa	ISO 178
[C] Charpy notched impact strength, +23°C	**9**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**85**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**155**	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**100**	E-6/K	ISO 11359-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
[C] Burning Behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-
Yellow Card available	**yes**	-	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1420**	kg/m³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 90**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Melt temperature	**190 - 210**	°C	-
Mold temperature	**60**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets

Additives
Lubricants

Features
Homopolymer

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa