

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	7.7	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Melt flow index, MFI	10	g/10min	ISO 1133

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9000	MPa	ISO 527
^[C] Stress at break	110	MPa	ISO 527
^[C] Strain at break	2	%	ISO 527
Flexural modulus, 23°C	8500	MPa	ISO 178
^[C] Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA

ASTM Data

Tensile Strength	106	MPa	ASTM D 638
Elongation at Break	6	%	ASTM D 638
Flexural Modulus	8200	MPa	ASTM D 790
Flexural Strength	173	MPa	ASTM D 790
Rockwell Hardness	M 90	-	ASTM D 785
Taber Abrasion Resistance	23	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	66	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	171	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	175	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	40	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	90	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	-	-

ASTM Data

UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	40	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	90	E-6/K	ASTM D 696
DTUL @ 66 psi	174	°C	ASTM D 648
DTUL @ 264 psi	170	°C	ASTM D 648

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1590	kg/m ³	ISO 1183
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1560	kg/m ³	ASTM D 792

[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

TENAC™ GN705

POM-GF25

Asahi Kasei

Processing

Injection Molding, Other Extrusion

Delivery form

Pellets

Features

Homopolymer

Applications

Automotive

Regional Availability

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