

**TENAC™-C ZLD75**

POM

Asahi Kasei

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	25	g/10min	ISO 1133

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3500	MPa	ISO 527
Yield stress	53	MPa	ISO 527
Strain at break	10	%	ISO 527
Flexural modulus, 23°C	3400	MPa	ISO 178
Charpy notched impact strength, +23°C	3	kJ/m <sup>2</sup>	ISO 179/1eA

<b>ASTM Data</b>			
Tensile Strength	51	MPa	ASTM D 638
Elongation at Break	8	%	ASTM D 638
Flexural Modulus	3390	MPa	ASTM D 790
Flexural Strength	86	MPa	ASTM D 790
Rockwell Hardness	M 70	-	ASTM D 785
Izod Impact notched, 1/8 in	32	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	160	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	80	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	80	E-6/K	ASTM D 696
DTUL @ 66 psi	159	°C	ASTM D 648
DTUL @ 264 psi	130	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1520	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1520	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	180 - 210	°C	-
Mold temperature	60	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Features**

Copolymer