

Tenopom® B3 MF AZL0586 PR320

POM

Grupo Petropol Polímeros

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	2.0	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	11.2	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2600	MPa	ISO 527
Tensile Strength	54.8	MPa	ISO 527
Yield strain	8	%	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Flexural strength	63.2	MPa	ISO 178
Tensile creep modulus, 1h	2450	MPa	ISO 899-1
Tensile creep modulus, 1000h	1350	MPa	ISO 899-1
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	169	°C	ISO 11357-1/-3
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	158	°C	ASTM D 648
DTUL @ 264 psi	110	°C	ASTM D 648
Vicat Temperature	162	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1410	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2	h	-
Melt temperature	180 - 200	°C	-
Mold temperature	70 - 80	°C	-

Characteristics**Processing**

Injection Molding

Features

Copolymer

Regional Availability

North America, Europe, South and Central America