

MAKROPOL A3 HV TZ NTLA010 PC357**Product Description**

High Viscosity, High Impact, Polycarbonate

General Considerations

Resin ID (ISO 1043)	· PC	
Additive	· High Viscosity	· High Impact
Processing	· Injection Molding	· Extrusion
Color	· Natural	

- The information below is for informational purposes only and should not be adopted as specification limits

Physical	Value	Unit	Method
Density / Specific Gravity	1,16 to 1,20	g/cm ³	ISO 1183
Mold Shrinkage		%	ISO 294-4
Parallel	0,6 to 1,0		
Normal	0,6 to 1,0		
Water Absorption		%	ISO 62
Saturation (Water at 23°C)	0,20 to 0,40		
Equilibrium (23°C)	0,10 to 0,15		
Melt Mass-Flow Rate - 300°C; 1,2kg	8 to 16	g/10min	ISO 1133

Mechanical	Value	Unit	Method
Yield Stress (50 mm/min)	55	MPa	ISO 527-1-2
Yield Strain (50 mm/min)	15	%	ISO 527-1-2
Tensile Modulus (50 mm/min)	1500	MPa	ISO 527-1-2
Flexural Strength (2 mm/min)	40	MPa	ISO 178
Flexural Modulus (2 mm/min)	1200	MPa	ISO 178
Izod Impact Strength		kJ/m ²	ISO 180/1U
23°C	Non-Break		
Izod Notched Impact Strength		kJ/m ²	ISO 180/1A
23°C	40		

Process	Value	Unit	Method
Molding Process Temperature	280 to 300	°C	--
Mold Temperature	80 to 100	°C	--
Drying	120/4	°C/Hours	--

Os dados contidos neste Informativo Técnico foram obtidos em Laboratório e refletem a média de vários lotes produzidos. Estas informações encontram-se atualizadas até a data em que foi autorizada a impressão deste. A Petropol reserva-se o direito de alterar desenhos, especificações e informações de seus produtos a qualquer tempo ou descontinuí-los, independente de qualquer aviso ou comunicado sem incorrer em responsabilidade de qualquer espécie.

Data contained in this Data Sheet have been obtained in laboratory and reflect the average number of batches produced. This information is current as of the date on which it was authorized to print this. The Petropol reserves the right to alter designs, specifications and information on its products at any time or discontinue them, regardless of any notice or statement without incurring liability of any kind.