Tenogel®

TENOGEL A3 HF PRTA010 AB324

Product Description
High Flow, ABS

General Considerations	
Resin ID (ISO 1043)	· ABS
Addtive	· High Flow
Processing	· Injection Molding
Color	· Black

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

Physical	Value	Unit	Method
Density	1,05	g/cm³	ASTM D 792
Water Absorption	0,3	%	ASTM D 570
Mold Shrinkage (3,2 mm)	0,4 to 0,6	%	ASTM D 955
Melt Flow Rate (220°C/10kg)	20 to 30	g/10min	ASTM D 1238

Mechanical	Value	Unit	Method
Tensile stress at yield (at 5 mm/min)	49	MPa	ASTM D 638
Tensile strain at break (at 5 mm/min)	35	%	ASTM D 638
Flexural Strength (at 3 mm/min)	76	MPa	ASTM D 790
Flexural Modulus (at 3 mm/min)	2450	MPa	ASTM D 790
Notched Izod Impact		J/m	ASTM D 256
23°C	196		
Rockwell Hardness	116	Scale R	ASTM D 785

Thermal	Value	Unit	Method
Flammability	HB	--	UL 94
Heat Deflection Temperature		°C	ASTM D 648
1,80 MPa	92		
Vicat Softening Temperature	100	°C	ASTM D 1525
Thermal Conductivity	0,15	W/K.m	ASTM C 177
Coefficient of Linear Thermal Expansion	$7.1\ 10^{5}$	mm/mm°C	ASTM D 696

Process		Unit	Method
Injection Temperature	190 to 230	°C	--
Mold Temperature	50 to 70	°C	--
Drying	85/3	°C/Hours	--