

Tenogel® ABS A3 HF NTLA010 AB308

Acrylonitrile Butadiene Styrene
Petropol Industry and Trade of Polymers LTDA

Message:
ABS resin for injection in natural color, high flow, excellent mechanical and thermal properties.

General Information			
Features	High Flow		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>ABS<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	25 to 28	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.0	MPa	ASTM D638
Flexural Modulus	2470	MPa	ASTM D790
Flexural Strength	75.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	240	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	50.0 to 70.0	°C	
NOTE			
1.	Rate A (50°C/h)		

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