

Tarnoform® 200 HI4

Acetal (POM) Copolymer

Grupa Azoty S.A.

Message:

Tarnoform® 200 HI4 - there is high viscosity elastomer-modified grade with high impact resistance for extrusion and also injection-moulding.

General Information	
Features	Impact resistance, high
	Viscosity, High
Uses	Thick wall fittings (parts)
	Sheet
Appearance	Black
	Available colors
	Natural color
Forms	Particles
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	2.50	cm ³ /10min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	80.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2/1
Tensile Stress (Yield)	42.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	20	%	ISO 527-2/50
Fracture	60	%	ISO 527-2/50
Flexural Modulus ¹	1400	MPa	ISO 178
Flexural Stress ²	35.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	25	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Notched Izod Impact	30	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	115	°C	ISO 306/B
Melting Temperature	167	°C	ISO 11357-3
CLTE - Flow (23 to 55°C)	1.1E-4	cm/cm/°C	ISO 11359-2
Limit of Temperature - a few hours operation	100	°C	
Burning Rate		mm/min	FMVSS 302
ISO Type	POM-K, M-GNPR, 01-001		ISO 1874
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 - 120	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	< 0.10	%	
Suggested Max Regrind	10	%	
Processing (Melt) Temp	180 - 230	°C	
Mold Temperature	60.0 - 100	°C	
Injection Pressure	60.0 - 120	MPa	
Injection Rate	Slow-Moderate		
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 200	°C	
Extrusion instructions			
Slow			
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT