

TechnoElast 9090

Styrene Ethylene Butylene Styrene Block Copolymer

TechnoCompound GmbH

Message:

The TechnoElast TPE compounds are a new, innovative product range of TechnoCompound based on styrene block copolymers. TechnoElast TPE compounds with adjustable melt flow rates possess good insulation properties, good workability, offer good thermal stability, outstanding absorption characteristics as well as elastic memory.

General Information			
Features	Block Copolymer		
	Resilient recovery, excellent		
	Good liquidity		
	Thermal stability, good		
Uses	Membrane key switch		
	Electrical/Electronic Applications		
	Electrical housing		
	Insulating material		
	Seals		
	Parts under the hood of a car		
	Application in Automobile Field		
	Car interior parts		
	Automotive exterior parts		
	Shell		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	14.0	MPa	ISO 527-2
Tensile Strain (Break)	250	%	ISO 527-2
Additional Information			
The value listed as Shore Hardness, ISO 868, was tested in accordance with DIN 53505.The value listed as Tensile Stress at Break, ISO 527-1, -2, was tested in accordance with DIN 53504.The value listed as Tensile Strain at Break, ISO 527-1, -2, was tested in accordance with DIN 53504.Moisture Content, Infared 105°C, 15 min: 250%			
Injection	Nominal Value	Unit	
Drying Temperature	60.0 - 80.0	°C	
Drying Time	2.0	hr	

Processing (Melt) Temp	180 - 220	°C
Mold Temperature	20.0 - 40.0	°C

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