

Multi-Flex® TPE TES 2403 SI1 BLK - PL23095

Styrenic Thermoplastic Elastomer

Multibase, A Dow Corning Company

Message:

Polyether block amide PEBAX® 2533 SA 01 MED is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This grade offers the highest quality and it is specially designed to meet the stringent requirements of the medical applications such as minimally invasive devices. PEBAX® 2533 SA 01 MED also offers an excellent combination of properties such as: kink resistance, low friction coefficient and superior dynamic response. Upon request letters regarding USP Class VI testing can be provided.

General Information			
Uses	Automotive Applications		
	Automotive Interior Parts		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	6.00	cm ³ /10min	ISO 1133
Spiral Flow ¹	28.0	cm	Internal Method
Molding Shrinkage - Flow (23°C)	1.5	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	33		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5A/500
Break	13.0	MPa	
Break, -35°C	23.6	MPa	
Break, 85°C	3.70	MPa	
Tensile Strain			ISO 527-2/5A/500
Break	180	%	
Break, -35°C	73	%	
Break, 85°C	180	%	
Flexural Modulus ²			ISO 178
--	240	MPa	
85°C	69.0	MPa	
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			ISO 34-1
--	76	kN/m	
-35°C	150	kN/m	
85°C	47	kN/m	
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact Strength (-45°C)	75	kJ/m ²	ISO 180
NOTE			
1.	Condition A		
2.	3 points		

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