

Dryflex® CS 40A001N

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

Dryflex CS are a range of thermoplastic elastomer (TPE) compounds, based on SEBS. The range has been engineered to deliver optimised compression set performance. The raw materials used to manufacture Dryflex CS compounds are compliant with food contact regulations. The compounds also offer excellent organoleptic performance.

General Information			
Features	Food Contact Acceptable		
	Good Adhesion		
	Good Colorability		
	Good Organoleptic Properties		
	Low Compression Set		
	Low to No Odor		
	Recyclable Material		
Uses	Connectors		
	Food Packaging		
	Gaskets		
	Seals		
	Valves/Valve Parts		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	40		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (Yield)	4.60	MPa	ISO 37
Tensile Elongation - Across Flow (Break)	880	%	ISO 37
Tear Strength - Across Flow ¹	13	kN/m	ISO 34-1
Compression Set ²			ISO 815
23°C, 72 hr	21	%	
70°C, 22 hr	33	%	
100°C, 22 hr	40	%	
Injection	Nominal Value	Unit	
Rear Temperature	190 to 200	°C	
Middle Temperature	200 to 210	°C	

Front Temperature	210 to 220	°C
Nozzle Temperature	220 to 230	°C
Mold Temperature	15.0 to 50.0	°C
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 to 160	°C
Cylinder Zone 2 Temp.	160 to 170	°C
Cylinder Zone 3 Temp.	170 to 180	°C
Cylinder Zone 4 Temp.	180 to 190	°C
Cylinder Zone 5 Temp.	180 to 200	°C
NOTE		
1.	Method C, Crescent	
2.	Type B	

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