

Dryflex® 47722

Thermoplastic Elastomer

ELASTO

Message:

Dryflex 47722: Thermoplastic Elastomer

Material Type: TPS-SEBS

Hardness: 61 Shore A

Service Temperature Range: -50 to +120 °C (unstressed material)

Colour: Translucent, but can easily be coloured in any shade

Presentation: Free flowing pellets that can be processed without predrying when stored under normal conditions

Weather Resistance: Excellent

Ozone / UV Resistance: Excellent

Chemical Resistance: Good (excluding organic solvents, aromatic and vegetable oils)

Recycling: 100% recyclable

Mould Shrinkage (linear): Approx. 0.75 - 2% depending on e.g. shape of the detail and placement of gate

Bonds to: PP, PE

General Information			
Features	Good Chemical Resistance		
	Good Colorability		
	Good UV Resistance		
	Good Weather Resistance		
	Ozone Resistant		
	Recyclable Material		
Appearance	Colors Available		
	Translucent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ISO 2781
Molding Shrinkage ¹	0.75 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	61		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.40	MPa	ISO 37
Tensile Stress (Yield)	4.80	MPa	ISO 37
Tensile Elongation (Break)	480	%	ISO 37
Tear Strength ²	20	kN/m	ISO 34-1
Compression Set ³ (23°C, 24 hr)	26	%	ISO 815
Thermal	Nominal Value	Unit	

Service Temperature	-50 to 120	°C
Injection	Nominal Value	Unit
Rear Temperature	180 to 210	°C
Middle Temperature	180 to 210	°C
Front Temperature	180 to 210	°C
Mold Temperature	20.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 to 210	°C
Cylinder Zone 3 Temp.	150 to 210	°C
Cylinder Zone 5 Temp.	150 to 210	°C
NOTE		
1.	depending on e.g. shape of the detail and placement of gate	
2.	Method C, Crescent	
3.	Type B	

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Recommended distributors for this material

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