

# Dryflex® 4097-002

Thermoplastic Polyolefin Elastomer

ELASTO

## Message:

Dryflex 4097-002: Thermoplastic Elastomer  
Base Material: TPS/TPO  
Hardness: 95 Shore A  
Service Temperature Range: -50 to +75°C (Unstressed Material).  
Colour: Natural  
Presentation: Free flowing pellets that can be processed without predrying when stored under normal conditions  
Weather Resistance: Excellent  
Ozone-/UV- Resistance: Excellent  
Chemical Resistance: Moderate (excluding organic solvents, aromatic and vegetable oils)  
Recycling: 100% recyclable  
Mould Shrinkage (linear): Appr. 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 UV Resistance		
	Good Weather Resistance		
	Ozone Resistant		
	Recyclable Material		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm <sup>3</sup>	ISO 2781
Molding Shrinkage	0.75 to 2.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	95		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	9.00	MPa	ISO 37
Tensile Stress (Yield)	12.0	MPa	ISO 37
Tensile Elongation (Break)	900	%	ISO 37
Tear Strength <sup>1</sup>	80	kN/m	ISO 34-1
Compression Set <sup>2</sup>			ISO 815
23°C, 24 hr	40	%	
70°C, 24 hr	60	%	
Injection	Nominal Value	Unit	
Rear Temperature	170 to 210	°C	
Middle Temperature	170 to 210	°C	
Front Temperature	170 to 210	°C	
Mold Temperature	15.0 to 40.0	°C	

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 to 210	°C
Cylinder Zone 2 Temp.	150 to 210	°C
Cylinder Zone 3 Temp.	150 to 210	°C
Cylinder Zone 4 Temp.	150 to 210	°C
Cylinder Zone 5 Temp.	150 to 210	°C

NOTE		
1.	Method C, Crescent	
2.	Type B	

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Recommended distributors for this material

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