

# Dryflex® PCW 40D701B

Thermoplastic Elastomer

ELASTO

## Message:

Dryflex PCW 40D701B: Thermoplastic Elastomer

Base Material: TPO

Hardness: 40 Shore D

Service Temperature Range: -50 to +120°C (Unstressed Material).

Colour: Black

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			
Recycled Content	Yes, 70%		
Features	Good Chemical Resistance		
	Good UV Resistance		
	Good Weather Resistance		
	Ozone Resistant		
	Recyclable Material		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm <sup>3</sup>	ISO 2781
Molding Shrinkage <sup>1</sup>	0.75 to 2.0	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	40		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	8.40	MPa	ISO 37
Tensile Elongation (Break)	64	%	ISO 37
Tear Strength <sup>2</sup>	62	kN/m	ISO 34-1
Compression Set <sup>3</sup>			ISO 815
23°C, 24 hr	60	%	
70°C, 24 hr	77	%	
Injection	Nominal Value	Unit	
Rear Temperature	190 to 230	°C	
Middle Temperature	190 to 230	°C	
Front Temperature	190 to 230	°C	
Mold Temperature	15.0 to 50.0	°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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