

Dryflex® PCW 91A701B

Thermoplastic Elastomer

ELASTO

Message:

Dryflex PCW 91A701B: Thermoplastic Elastomer

Base Material: TPO

Hardness: 91 Shore A

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

Special Features: This grade contains approximately 70% by weight of Post Consumer Waste

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 ³	ISO 2781
Molding Shrinkage ¹	0.75 to 2.0	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	91		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	7.10	MPa	ISO 37
Tensile Elongation (Break)	40	%	ISO 37
Tear Strength ²	110	kN/m	ISO 34-1
Compression Set ³			ISO 815
23°C, 24 hr	52	%	
70°C, 23 hr	76	%	
Injection	Nominal Value	Unit	
Rear Temperature	170 to 200	°C	
Middle Temperature	170 to 200	°C	
Front Temperature	170 to 200	°C	
Mold Temperature	30.0 to 50.0	°C	

NOTE

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| 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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