

Dryflex® XL 40100

Thermoplastic Vulcanizate

ELASTO

Message:

Dryflex XL40100: Thermoplastic Elastomer

Base Material: TPV

Hardness: 40 Shore A

Service Temperature Range: -40 to +125°C (Unstressed Material).

Colour: Natural or black, 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: Very 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	Bondability		
	Good Chemical Resistance		
	Good Colorability		
	Good UV Resistance		
	Good Weather Resistance		
	Ozone Resistant		
	Recyclable Material		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ISO 2781
Molding Shrinkage - Flow	0.75 to 2.0	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	40		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.00	MPa	ISO 37
Tensile Stress (Yield)	2.00	MPa	ISO 37
Tensile Elongation (Break)	400	%	ISO 37
Tear Strength ¹	12	kN/m	ISO 34-1
Compression Set ²			ISO 815
23°C, 24 hr	17	%	

100°C, 24 hr	40	%
Thermal	Nominal Value	Unit
Service Temperature - Unstressed Material	-40 to 125	°C
Injection	Nominal Value	Unit
Rear Temperature	160 to 210	°C
Middle Temperature	160 to 210	°C
Front Temperature	160 to 210	°C
Mold Temperature	15.0 to 50.0	°C
NOTE		
1.	Method C, Crescent	
2.	Type B	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

