

Versaflex™ G 7380

Thermoplastic Elastomer

PolyOne Corporation

Message:

Versaflex™ G 7380 is an easy processing, general purpose TPE designed for a wide variety of applications, and may be appropriate where FDA and EU 10/2011 compliances are required.

Non-Slip Grip

Overmold Adhesion to Polypropylene

Soft Touch, Rubbery Feel

General Information			
Features	General Purpose		
	Good Colorability		
	Good Flow		
	Good Processability		
	Good Processing Stability		
	Recyclable Material		
Uses	Consumer Applications		
	Flexible Grips		
	Gaskets		
	General Purpose		
	Household Goods		
	Overmolding		
	Seals		
	Soft Touch Applications		
	Sporting Goods		
Agency Ratings	EU 10/2011 2		
	FDA 21 CFR 177.1210 2		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1133
Molding Shrinkage - Flow (2.00 mm)	1.3 to 2.1	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 3 sec)	80		ISO 868
Elastomers	Nominal Value	Unit	Test Method

Tensile Stress			ISO 37
100% Strain, 23°C	3.50	MPa	
300% Strain, 23°C	4.50	MPa	
Tensile Strength (Break, 23°C)	7.00	MPa	ISO 37
Tensile Elongation (Break, 23°C)	500	%	ISO 37
Tear Strength	33.0	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	39	%	
70°C, 22 hr	70	%	
100°C, 22 hr	88	%	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 11200 sec ⁻¹)	6.40	Pa·s	ASTM D3835
Injection	Nominal Value	Unit	
Suggested Max Regrind	20	%	
Rear Temperature	160 to 188	°C	
Middle Temperature	177 to 193	°C	
Front Temperature	188 to 210	°C	
Nozzle Temperature	188 to 216	°C	
Mold Temperature	15.6 to 37.8	°C	
Back Pressure	0.00 to 0.827	MPa	
Screw Speed	40 to 100	rpm	

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