

Dynaflex™ G7430-9001-00

Thermoplastic Elastomer

PolyOne Corporation

Message:

Dynaflex™ G7430-9001-00 is a high-performance composite material that is easy to process and is designed for various applications that require materials to be tough and durable.

Excellent thermal stability

Strong stability of ozone and ultraviolet light

It can be bonded to polypropylene by overlapping molding

Suitable for outdoor use

General Information			
Features	High strength		
	Good UV resistance		
	Recyclable materials		
	Ozone resistance		
	Thermal stability, good		
Uses	overmolding		
	Home appliance components		
	Fatigue elimination supplies		
	Sporting goods		
	Consumer goods application field		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.8 - 2.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	68		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹			ASTM D412
100% strain, 23°C ²	2.48	MPa	ASTM D412
300% strain, 23°C ³	4.07	MPa	ASTM D412
Tensile Strength (Break, 23°C)	8.96	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	650	%	ASTM D412
Tear Strength	36.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	17	%	ASTM D395B

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 11200 sec ⁻¹)	12.6	Pa·s	ASTM D3835

Additional Information

Dynaflex™ G7430-9001-00 can be recycled as a filler or impact modifier for polyolefins, or can be recycled by grinding and reintroduction to the molding process. Similar to PP or PE recycling process, if separated appropriately, it can be recycled many times. Municipality waste stream recycle code is "7" which is designated for "Other". Please contact GLS Thermoplastic Elastomers for a copy of our Recyclability Compliance letter.

Injection	Nominal Value	Unit
Suggested Max Regrind	20	%
Rear Temperature	168 - 177	°C
Middle Temperature	177 - 188	°C
Front Temperature	188 - 227	°C
Nozzle Temperature	188 - 227	°C
Back Pressure	0.345 - 1.03	MPa
Screw Speed	40 - 100	rpm

Injection instructions

在使用此产品之前或之后,均须用熔体流动速率较低 (0.5 - 2.5 MFR) 的聚乙烯 (PE) 或聚丙烯 (PP) 彻底进行置换. Dynaflex™ G7430-9001-00 可利用高达 20% 的回收料同时其性能所受影响却极小, 但该回收料必须是未受到污染的. 为了最大限度地减小模塑期间其性能所受的影响, 熔体温度应维持得尽可能低. 回收料的有效性应由用户最终确定. 不需要干燥注射速度: 1 - 5 英寸/秒 第一阶段 - 提升压力: 250 - 650 psi 第二阶段 - 保持压力: 50% 的升压保持时间(厚部件): 4 - 10 秒 保持时间(薄部件): 1 - 3 秒

NOTE

1. 2 hours
2. Mouth die c
3. C mould

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT