

Versaflex™ OM 3060-1

Thermoplastic Elastomer

PolyOne Corporation

Message:

Versaflex™OM 3060-1 is a transparent overlay molding material designed to bond a variety of matrix materials.
New Products. Commercial norms have not yet been established.
Strong adhesion to PC, ABS, PC/ABS, PC/PETG and PC/PBT
It feels like rubber
Soft to the touch

General Information			
UL YellowCard	E76261-101061805		
Features	Workability, good		
	Good formability		
	Good processing stability		
	Good coloring		
	Definition, high		
Uses	Transparent Parts		
	overmolding		
	Electrical/Electronic Applications		
	Personal care		
	Transparent or Translucent Accessories		
	Consumer goods application field		
Agency Ratings	FDA not rated		
	ISO 10993 Part 4		
	ISO 10993 Part 5		
	UL 94 .QMFZ2.E76261		
	USP Class VI		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.80 - 1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw A, 10 seconds, 23°C)	59		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain, 23°C)	3.39	MPa	ASTM D412
Tensile Strength (Break, 23°C)	4.50	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	560	%	ASTM D412
Tear Strength	31.5	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	33	%	ASTM D395B
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)	13.0	Pa·s	ASTM D3835
Injection	Nominal Value	Unit	
Suggested Max Regrind	20	%	
Rear Temperature	177 - 216	°C	
Middle Temperature	182 - 221	°C	
Front Temperature	193 - 232	°C	
Nozzle Temperature	204 - 243	°C	
Mold Temperature	21.1 - 32.2	°C	
Back Pressure	0.517 - 1.21	MPa	
Screw Speed	75 - 125	rpm	
Injection instructions			

Versaflex™ OM 3060-1 可以使用各种各样的色母料.最适合于某具体应用的色母料取决于材料品种和具体的基体材料,包括色母料和填充物.因此,您最好与 GLS 技术代表联系以讨论您的具体应用.应该注意某些色母料可能会影响材料与基体的粘接,从而导致剥离强度下降.不应采用以 PVC 为基础的色母料.色母料是否适用,应由用户通过试验来最终确定.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) 的聚乙烯 (PE) 或聚丙烯 (PP) 彻底进行置换.Versaflex™ OM 3060-1 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.Versaflex™ OM 3060-1 具有良好的熔体稳定性.最长停留时间可能会根据机筒尺寸有所变化.通常,如果机器闲置 8 - 10 分钟或以上,则应将机筒排空.不需要干燥注射速度:1 - 5 英寸/秒第一阶段 - 提升压力:180 - 580 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

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