

Versaflex™ HC 2110-43N

Thermoplastic Elastomer

PolyOne Corporation

Message:

Versaflex™ HC 2110-43N is a unique TPE designed for the demanding requirements of pharmaceutical packaging.

New Product. Commercial specifications have not been established.

Good Compression Set

Good Reseal Characteristics

General Information			
Appearance	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	43		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain, 23°C	0.924	MPa	ASTM D412
300% strain, 23°C	2.54	MPa	ASTM D412
Tensile Strength (Break, 23°C)	4.98	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	710	%	ASTM D412
Compression Set			ASTM D395B
23°C, 22 hr	12	%	ASTM D395B
70°C, 22 hr	22	%	ASTM D395B
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity			ASTM D3835
200°C, 1340 sec ⁻¹	52.7	Pa·s	ASTM D3835
200°C, 11200 sec ⁻¹	10.5	Pa·s	ASTM D3835
Injection	Nominal Value	Unit	
Rear Temperature	171 - 193	°C	
Middle Temperature	193 - 243	°C	
Front Temperature	204 - 254	°C	
Nozzle Temperature	216 - 254	°C	
Mold Temperature	15.6 - 37.8	°C	
Back Pressure	0.00 - 0.827	MPa	
Screw Speed	25 - 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.Versaflex™ HC 2110-43N 具有极好的熔体稳定性.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 - 3 英寸/秒第一阶段 - 提升压力:25 - 1000 psi第二阶段 - 保持压力:30% 的升压保持时间(厚部件):3 - 10 秒保持时间(薄部件):1 - 3 秒

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