

Syncure™ System S117FH

Crosslinked Polyethylene

PolyOne Corporation

Message:

Syncure™System S117FH is a cross-linked polyethylene product. It can be processed by extrusion coating and is available in North America. Syncure™The application areas of System S117FH include the automotive industry and wire and cable.

General Information			
Uses	Wire and cable applications		
	Application in Automobile Field		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Gel Content ¹	60	%	ASTM D2765
Tensile strength retention rate ² (155°C, 1.91 mm)	100	%	
Elongation retention rate ³ (155°C, 1.91 mm)	120	%	
Deformation ⁴ (131°C)	18	%	UL 1581
Flame test ⁵	Pass		SAE J1128
Catalyst parent mixture-V-0064G RoHS ⁶	40	%	
Transplant-based resin-S-1075A ⁷	60	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	62		ASTM D2240
Shaw D, 10 seconds	57		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ⁸ (Yield)	16.5	MPa	ASTM D638
Tensile Elongation ⁹ (Break)	400	%	ASTM D638
Additional Information	Nominal Value	Unit	
注释:以上情况代表了以16蜜耳壁的 20 AWG测量得出的典型属性.存放和搬运:包装打开之后应在48小时之内使用,避免自硬化和报废.			
NOTE			
1.	Cross-linked PE, Method B (Non-Arbitration Test)		
2.	168 hours, UL standard		
3.	168 hours, UL standard		
4.	500g,1 hour		
5.	45 degrees		

6.	V-0064G
7.	S-1075A
8.	Type 4, 510mm/min
9.	Type 4, 510mm/min

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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

