Syncure™ System S120NA

Crosslinked Polyethylene

PolyOne Corporation

Message:

This product is used in applications requiring high density, high hardness or high temperature resistance (up to 125°C).

General Information			
Uses	Electrical appliances Wire and cable applications		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.948	g/cm³	ASTM D792
Gel Content [1]	72	%	ASTM D2765
Tensile strength retention rate [2] (121°C, 1.91 mm)	75	%	
Elongation retention rate [3] (121°C, 1.91 mm)	75	%	
Deformation [4] (131°C)	10	%	UL 1581
Thermal creep elongation [5]	30	%	
Oxidation Induction Time	40	min	ASTM D3895
Catalyst parent mixture-S-1037B [6]	5.0	%	
Transplant-based resin-S1016A	95	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shaw D	64		ASTM D2240
Shaw D, 10 seconds	59		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [7] (Yield)	31.0	MPa	ASTM D638
Tensile Elongation [8] (Break)	80	%	ASTM D638
Thermal	**Nominal Value**	**Unit**	**Test Method**
UL Temperature Rating	125	°C	
Electrical	**Nominal Value**		**Test Method**
Dielectric Constant (1 MHz)	2.10		ASTM D150
Dissipation Factor (1 MHz)	2.0E-3		ASTM D150
Additional Information	**Nominal Value**	**Unit**	

注释:以上情况代表了在30密耳壁的14 AWG上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.	336 hours, UL standard
3.	336 hours, UL standard
4.	500g,1 hour
5.	SYV-40
6.	S-1037B
7.	Type 4, 510mm/min
8.	Type 4, 510mm/min

Recommended distributors for this material

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