

# POFEX EP8300S 80A/80C

Thermoplastic Polyurethane Elastomer

POLYROCKS CHEMICAL CO., LTD

## Message:

POFEX® EP8300S (+) are halogen-free flame retardant environmental TPU elastomeric material with phosphorus and nitrogen as the flame retardant elements. Carbonize and gaseous phase retardant mechanisms play the flame retardant performance. The flammability can reach UL94-V0 (0.75mm), and the finished wire can pass the VW-1 fire rating wire and cable. They have the characteristics of superior mechanical properties, good environment resistance and weather resistance. EP8300S (+) pass UL tests and met the requirements of RoHS, SVHC, PFOS&PFOA, 16P, Halogen-free and PAHs.

General Information			
Features	Environmentally Sound		
	Flame Retardant		
	Good Weather Resistance		
	Halogen Free		
Uses	Wire & Cable Applications		
Wire Types (UL 1581)	VW-1		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26 to 1.30	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	79 to 85		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	16.0	MPa	ASTM D412
Tensile Elongation (Break)	> 600	%	ASTM D412
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	V-0		UL 94

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