

POFEX EP8300S 85A/85C

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 ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	84 to 90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	18.0	MPa	ASTM D412
Tensile Elongation (Break)	> 550	%	ASTM D412
Flammability	Nominal Value	Test Method	
Flame Rating (0.750 mm)	V-0	UL 94	

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