

POFEX 8200EP90M

Thermoplastic Elastomer

POLYROCKS CHEMICAL CO., LTD

Message:

POFEX® 8200EP (+) are phosphorus & nitrogen elements halogen-free flame retardant environmental TPE elastomeric material. Carbonize and gaseous phase retardant mechanisms play the flame retardant performance. The flammability can reach UL94-V0 (3.0mm), and the finished wire can pass the UL1581 VW-1 fire rating of wire and cable. They have the characteristics of superior mechanical properties, good environment resistance and weather resistance. 8200EP (+) pass UL tests and meet 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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13 to 1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10.0	MPa	ASTM D412
Tensile Elongation (Break)	200	%	ASTM D412
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94

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