

Excelprene® 8375 RoHS

Flexible Polyvinyl Chloride

S&E; Specialty Polymers, LLC

Message:

Highly flexible, flame retardant, oil resistant Engineered Elastomer designed for wire and cable applications where low temperature flexibility and 40° C impact are required.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Flexibility		
	Low Temperature Flexibility		
	Low Temperature Impact Resistance		
	Oil Resistant		
Uses	Wire & Cable Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35 to 1.41	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	87 to 93		
Shore A, 3 sec	82 to 88		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	2.07	MPa	
300% Strain	3.24	MPa	
Tensile Strength (Yield)	11.4	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength ¹	35.0	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	3.1E+15	ohms · cm	ASTM D257
Dielectric Strength ²	0.11	kV/mm	ASTM D1531
Dissipation Factor	2.5E-3		ASTM D1531
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	36	%	ASTM D2863
NOTE			
1.	Die C		

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