

S&E Specialty Polymers TufTech™ SE11-023E PVC Compound

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Application: Automotive – PVC, black, exterior weatherable, elastomeric, extrusion molding compound. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufTech-SE11-023E-PVC-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	<= 1.22 g/cc	<= 1.22 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58.63 - 69.29	58.63 - 69.29	Heat Aging; ISO 188, Method B
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	
	55.0 - 65.0	55.0 - 65.0	ISO 868
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	13.0 MPa	1890 psi	500mm/min; ISO 527, 1A
	13.4741 MPa	1954.26 psi	
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	Heat Aging; ISO 188, Method B
Elongation at Break	385 %	385 %	500mm/min; ISO 527, 1A
	393.9 %	393.9 %	
	@Treatment Temp. 85.0 °C, Time 605000 sec	@Treatment Temp. 185 °F, Time 168 hour	Heat Aging; ISO 188, Method B
Tear Strength	>= 33.0 kN/m	>= 188 pli	Method B, angle die, 500mm/min.; ISO 34-1
Compression Set	25.0 %	25.0 %	ISO 815-1, Type A
	@Temperature 24.0 °C, Time 259000 sec	@Temperature 75.2 °F, Time 72.0 hour	
	57.0 %	57.0 %	ISO 815-1, Type A
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Descriptive Properties	Value	Comments
Cold Flex	-34°C	SAE J323, Method A, No cracks

Descriptive Properties	Value	Comments
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