

**S&E Specialty Polymers TufTech™ 5501124 Vinyl**

Category : Polymer , Thermoplastic , Vinyl (PVC)

**Material Notes:**

Application: Replacement for TPV/TPR materials for application requiring an excellent compression set properties, Weatherable, Elastomeric, Extrusion Molding Compound. Targeting for GMP PVC 088. Information provided by S&E Specialty Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SE-Specialty-Polymers-TufTech-5501124-Vinyl.php](http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufTech-5501124-Vinyl.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55.0	55.0	ISO 868
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	7.72 MPa	1120 psi	
Elongation at Break	450 %	450 %	500mm/min; ISO 257, 1A
Tear Strength	10.4 kN/m	59.3 pli	Method B, angle die, 500mm/min.; ISO 34-1
Compression Set	15.0 %	15.0 %	ISO 815-1, Type A
	@Temperature 24.0 °C, Time 86400 sec	@Temperature 75.2 °F, Time 24.0 hour	
	35.0 %	35.0 %	ISO 815-1, Type A
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	
	35.0 %	35.0 %	ISO 815-1, Type A
	@Temperature 100 °C, Time 252000 sec	@Temperature 212 °F, Time 70.0 hour	

Descriptive Properties	Value	Comments
Cold Flex	-34°C	SAE J323, Method A, No cracks, 6 mm mandrel

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