

S&E Specialty Polymers TufPrene™ EXC-11-016 405 Black SEBS

Category : Polymer , Thermoplastic , Styrene-Butadiene , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TufPrene-EXC-11-016-405-Black-SEBS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 - 1.10 g/cc	1.04 - 1.10 g/cc	ASTM D792
Melt Flow	3.10 g/10 min	3.10 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69.0 - 75.0	69.0 - 75.0	ASTM D2240
	@Time 10.0 sec	@Time 0.00278 hour	
Tensile Strength	18.3 MPa	2650 psi	ASTM D412
	25.62 MPa	3716 psi	Aged
	@Temperature 136 °C, Time 605000 sec	@Temperature 277 °F, Time 168 hour	
Elongation at Break	732 %	732 %	ASTM D412
	622.2 %	622.2 %	Aged
	@Treatment Temp. 136 °C, Time 605000 sec	@Treatment Temp. 277 °F, Time 168 hour	
100% Modulus	0.00308 GPa	0.446 ksi	ASTM D412

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -53.0 °C	<= -63.4 °F	ASTM D746
Oxygen Index	20.0 %	20.0 %	ASTM D2863

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