



Synprene™ X15502012209 Black 80 A

Styrene Butadiene Block Copolymer

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• North America
Agency Ratings	• NSF STD-51
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.15	1.15	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0 g/10 min	6.0 g/10 min	ASTM D1238
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	1000 psi	6.89 MPa	ASTM D412A
Tensile Elongation ² (Break)	650 %	650 %	ASTM D412A
Tear Strength ³	160 lbf/in	28.0 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	82	82	
Shore A, 10 sec	80	80	

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)