

# SANTOPRENE® 8201-50W185

## Preliminary datasheet

A soft, colorable, non-hygroscopic thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance for use in a wide range of applications. This grade of Santoprene™ TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. It is polyolefin based and recyclable within the manufacturing stream. This grade is designed for pipe seal applications and meets ASTM F477 low head requirements.

## Typical mechanical properties

Stress at 100% elongation	219 psi	ISO 527-1/-2 or ISO 37
Stress at break	769 psi	ISO 527-1/-2 or ISO 37
Elongation at break	498 %	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	52.7	ISO 48-4 / ISO 868
Compression set at 23°C	22 %	ISO 815

## Other properties

Density	464 lb/gal	ISO 1183
---------	------------	----------

## Injection

Processing Moisture Content	0.08 %	
Max. regrind level	20 %	
Melt Temperature Optimum	419 °F	Internal

