

# CALPRENE H6410P

*Introducing a new SEBS with superior compression set properties*



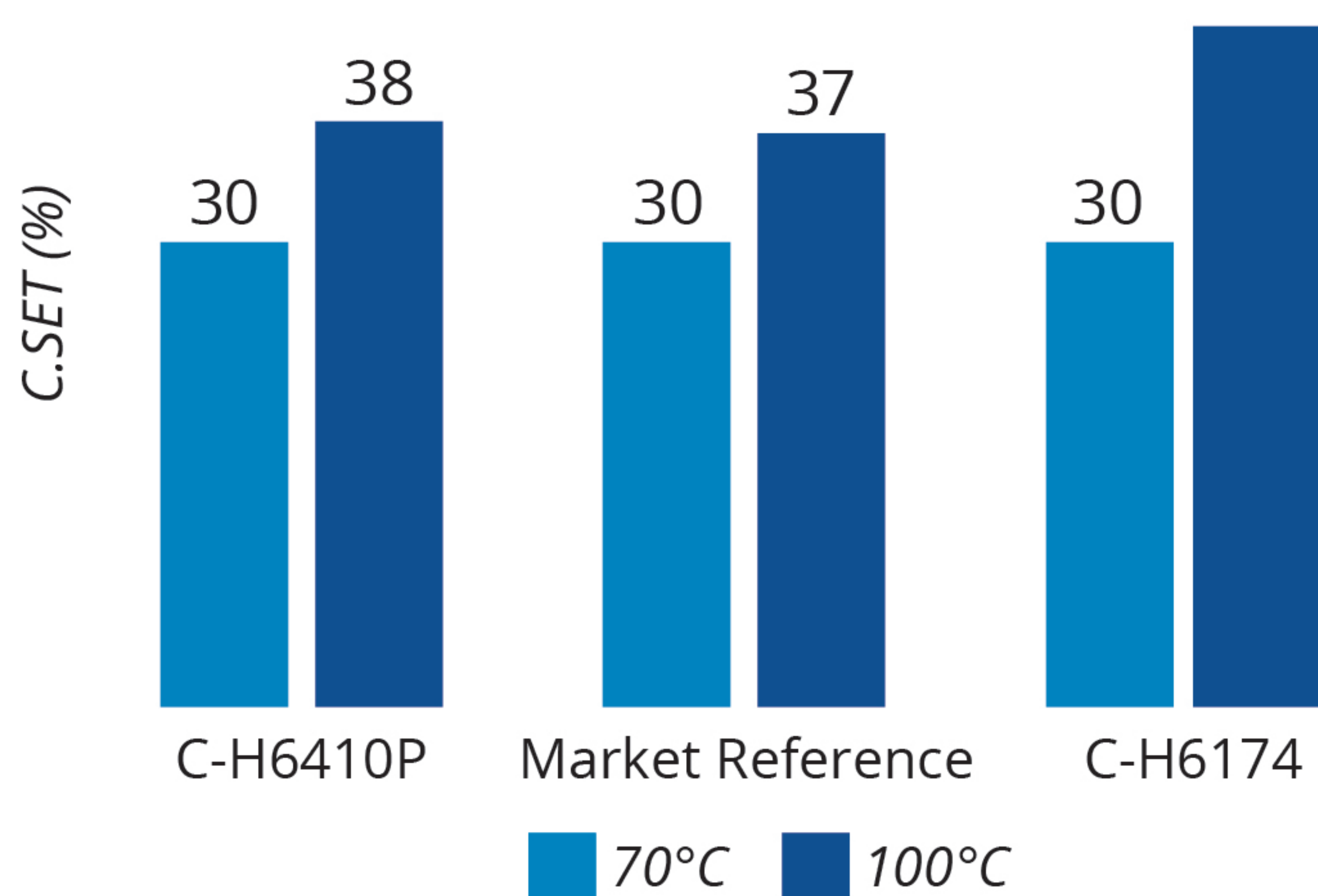
Calprene H6410P is a patented radial SEBS thermoplastic elastomer with ultra high molecular weight and is polymerized in solution.

## Calprene H6410P Polymer Properties

Polymer Structure	Radial
Mw, Da	430000 Da
Brookfield Viscosity (5wt% toluene, 25C), cP	150 cP
Bound Styrene, wt%	32%
Vinyl Content (before hydrogenation), wt%	39%
Saturation	>99%



Table 1 - Compression Set Performance



Compound formulation (phr): SEBS 100, PP homopolymer 25, paraffinic oil 100, antioxidants 0,4

C-H6410P and the market reference compounds show equivalent performance in compression set applications.

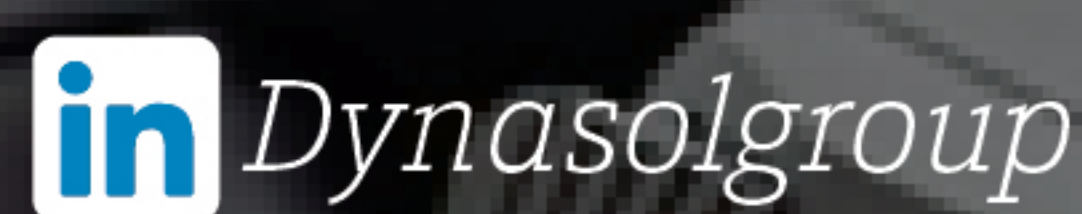
Due to its high molecular weight and specific structure, it exhibits outstanding performance in compounds with good compression set requirements and other applications like wire and cable.

Even though its molecular weight is higher than market reference, its radial structure provides lower viscosity, improved processing, and blending.

The product is supplied in powder form dusted with amorphous silica. Because of its unique characteristics, it exhibits high and fast oil absorption.



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