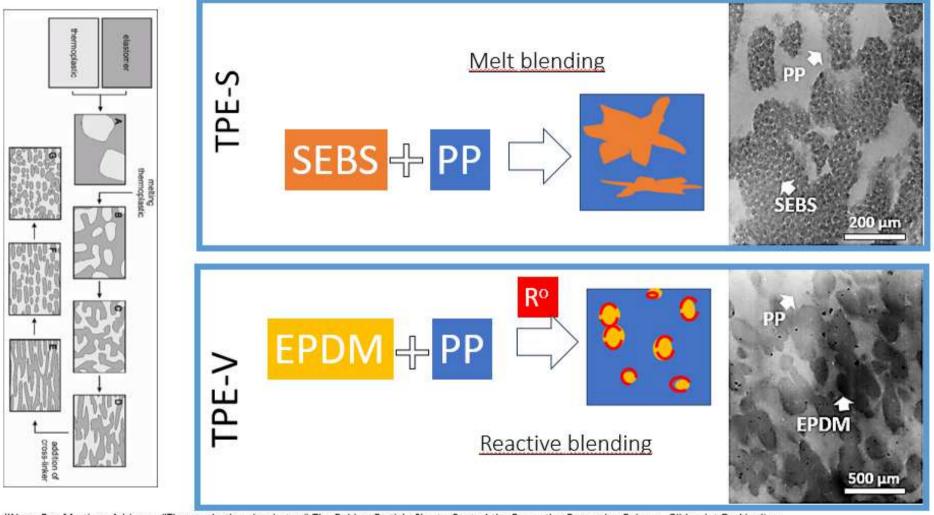
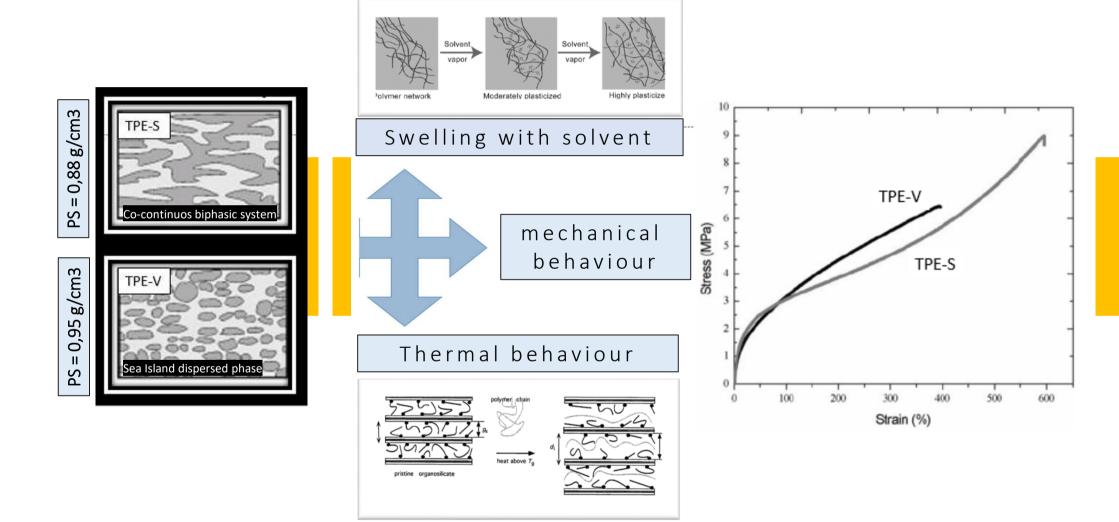
Technical comparison between styrenic-based TPE and TPV, with particular reference to our ST110/75 grades and the competitor's TPV grade

Morphological differences between TPE-S and TPV

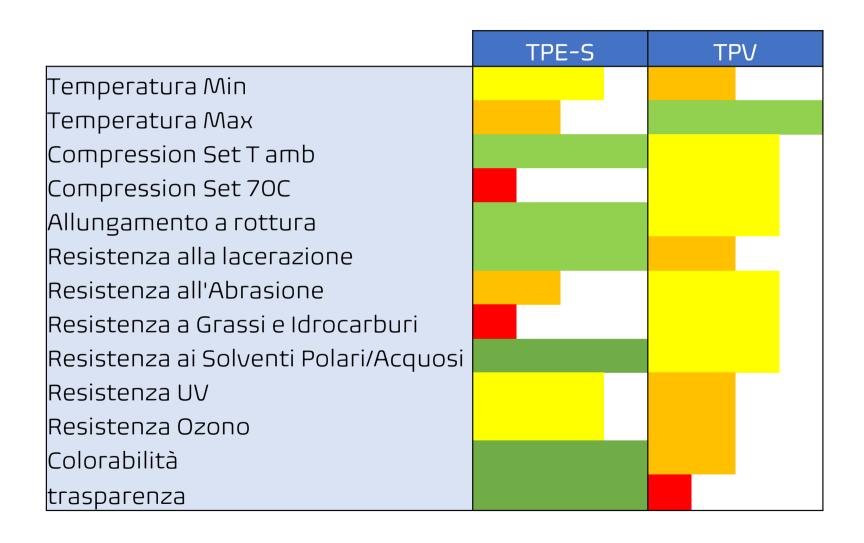


l'Abee, Roy Martinus Adrianus. "Thermoplastic vulcanizates." The Rubber Particle Size to Control the Properties-Processing Balance, Gildeprint Drukkerijen, The Netherlands (2009): 17-41.

Consequences of morphological differences



General scheme of differences between TPE-S and TPV

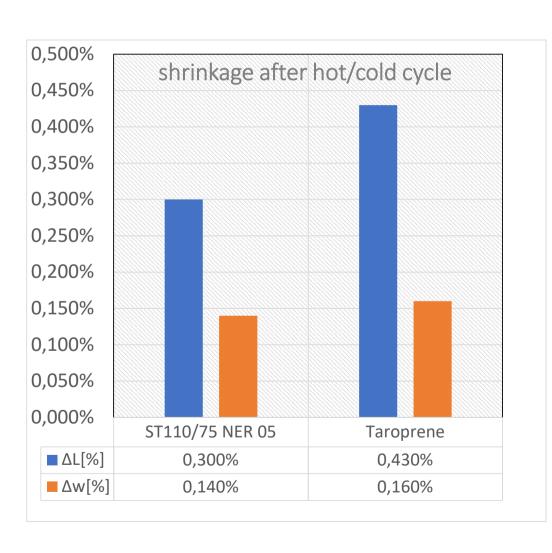


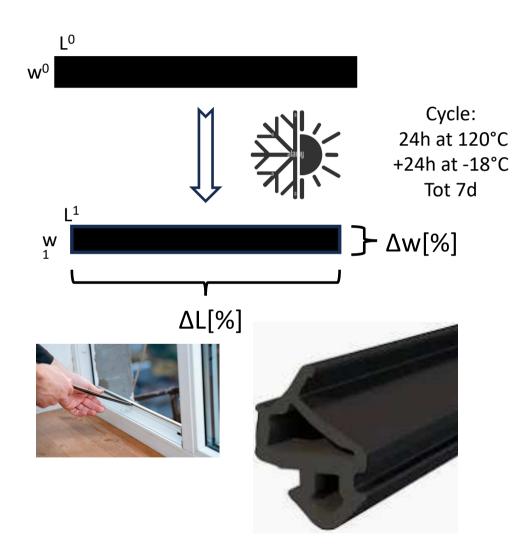
Jumping the obstacle: ST110/75 vs TAROPRENE 160



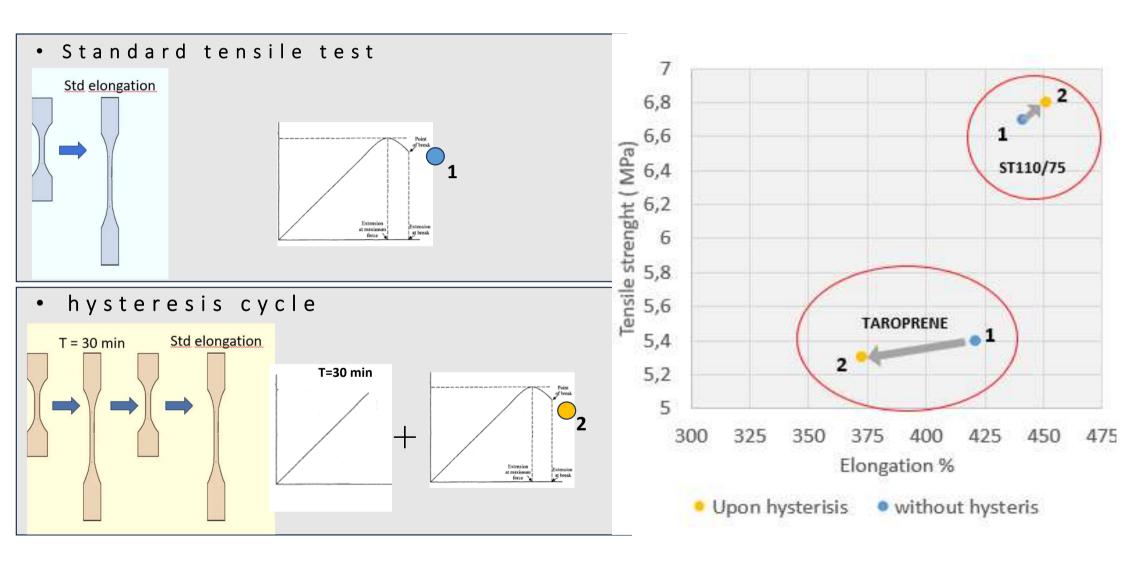
TECHNICAL INFORMATION	TESTING METHOD	UNIT OF MEASURE	ST110/75	TAROPRENE 1A60E3L
Specific Weight	ISO 1183-1	g/cm3	1,18	0,95
Hardness	ISO 868	Shore A	55	57
Tensile Strength	ISO 527	N/mm2	7	5,5
Elongation at Break	ISO 527	%	450	425
Fluidity Index (190 °C/10 kg.)	ASTM D 1238	g/10 min.	41,6	14

Shrinkage after hot/cold cycle





Hysteresis cycle



Swelling upon solvent contact

