

## Mechanical, Physical and Thermal Properties

properties	condition	standard	unit	unit	unit	
colour				orange	orange	
hardness	23°C	ISO 868	shore A		shore A	
hardness	23°C	ISO 868	shore D	54 ± 3	shore D	54 ± 3
modulus 100%	23°C	DIN 53 504	MPa	≥ 15	psi	≥ 2175
modulus 300 %	23°C	DIN 53 504	MPa		psi	
tensile strength	23°C	DIN 53 504	MPa	≥ 28	psi	≥ 4060
elongation at break	23°C	DIN 53 504	%	≥ 300	%	≥ 300
tear strength	23°C	DIN ISO 34-1	kN/m	124	lbf/inch	705
spec. gravity	23°C	ISO 1183	kg/m <sup>3</sup>	1190	g/cm <sup>3</sup>	1,19
abrasion	23°C	DIN 53 516	mm <sup>3</sup>	120	mm <sup>3</sup>	120
compression set	*	ISO 815	%	≤ 60	%	≤ 60
compression set	**	ISO 815	%		%	
minimum service temperature			°C	-30	°F	-22
maximum service temperature			°C	120	°F	248

\* 24h 70°C 25% def.

\*\* 24h 100°C 25% def.

## Chemical Properties

Thermoplastic Polyester Elastomer (TPC-ET)

specialty stabilized version for superior heat and oil resistance properties