

Mechanical, physical and thermal properties

Properties	condition	standard	unit		unit	
Colour				red		red
Hardness:	23°C	ISO 868	Shore A	95 ± 2	Shore A	95 ± 2
Hardness:	23°C	ISO 868	Shore D	48 ± 2	Shore D	48 ± 2
Modulus 100% :	23°C	DIN 53 504	MPa	15	psi	2175
Modulus 300% :	23°C	DIN 53 504	MPa	28	psi	4160
Tensile strength:	23°C	DIN 53 504	MPa	50	psi	7250
Elongation at break:	23°C	DIN 53 504	%	350	%	350
Tear strength:	23°C	DIN ISO 34-1	kN/m	110	lbf/inch	570
		Method B				
Specific gravity:	23°C	ISO 1183	kg/m ³	1200	g/cm ³	1,2
Abrasion:	23°C	DIN 53 516	mm ³	17	mm ³	17
Compression set:	*	ISO 815	%	27	%	27
Compression set:	**	ISO 815	%	33	%	33
Minimum service temperature:			°C	-20	°F	-4
Minimum service temperature:			°C	115	°F	240

* 24h 70°C 25% deflection

** 24h 100° 25% deflection

Turnability	Good ✓	Medium	Bad
Tool-abrasion	Low ✓	Medium	High

Chemical properties

Copolymer, based on aromatic isocyanate and diols

Resistant to: Oil, Petrol, Hot water, Hot air, Ozone, Synthetic and Native esters

Not resistant to: Conc. acids, Conc. lyes, Conc. alcohols and Aromatic solvents

Foodstuff approval: German Regulation on Commodities

The Council Directive 10/2011 EC (European Community)

FDA