

Typical Properties of Standard Materials.

Physical Property	Chloroprene (CR)	EPDM	Natural (NR)	Nitrile (NBR)	Silicone	TPR	PVC - Black	PVC - Black	PVC - Black	PVC - White	PVC - White	Nylon 6	Low Density Polyethylene	Polypropylene Co-Polymer
Hardness +/-5 (IRHD)	60	50	60	60	55									
Hardness +/-5 (Shore A)						55	61	57	47	65	57	Shore D 100	Shore D 55	Shore D 75
Softness +/-5 (BSS)							70	80	110	62	80			
Minimum Tensile Strength (Mpa)	13	10	17	8.5		5.2								
Minimum Elongation at break (%)	250	400	400	400		400								
Maximum Compression set (%) (24 +0/-2 hrs at 70 +/-1 °C)	25	25	25	20		22								
Resistance to accelerated ageing	7 days at 70 +/-1 °C					168 hours at 125°C								
Change in Hardness (+/-)	7	10	10	10		3								
Maximum reduction in tensile strength (% of original value)	12	25	25	10		2								
Maximum reduction in elongation at break (% of original value)	20	25	25	35		3								
Minimum Continuous Operating Temperature (°C)	-20	-30	-40	-15	-60	-40	-35	-35	-35	-35	-35	-35	-50	-60
Maximum Continuous Operating Temperature (°C)	100	130	70	100	200	125	70	70	70	70	70	75	80	110
WEEE and RoHS Compliant	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Recyclable	NO	NO	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weathering	FAIR	GOOD	POOR	POOR	GOOD	EXCELLENT	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD

Disclaimer:

The above information is a general guide only for our standard range of stock materials. There are no known shelf life issues with the stock materials we use.

Testing for the suitability of the material/component for a particular application/environment is the responsibility of the customer.

E&OE

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