

Product Technical Data Sheet

1-Product Name	Flex-0-Ring		
2-Manufacturer	Highway Rubber and Safety inc.		
3-Product Description	1- 100% recycled rubber of various particles size, and polyurethane elastomer, compression moulded		
4-Physical properties	A: Density	70 Lbs./cu. ft.	(ASTM C642)
	B: Durometer Hardness - moulded surface - in the mass	75A ± 5 Shore “A” 75A ± 5 Shore “A”	(ASTM D2240)
	C: Tensile strength	minimum 230 psi	(ASTM D412)
	D: Compression deformation - initial compression deformation - final compression deformation	5±2% at 145 psi (1.0 mpa) 5±2% at 145 psi (1.0 mpa)	(ASTM D575)
	E: Compression set	Less than 4% at 145 psi (1.0 mpa)	(ASTM D395)
	F: Brittleness at Low temperature	-40°F	(ASTM D746)
	G: Freeze and Thaw when exposed to de-icing chemical	No loss after 50 cycles	(ASTM D672)
	H: Thermal expansion coefficient	6×10^{-5} in/in/ F	(ASTM C531)
	I: Weathering 70 hours at 158 F -Hardness retained -Compressive strength -Tensile strength -Elongation retained	100% (±5%) 100% (±5%) 100% (±5%) 100% (±5%)	(ASTM D573)
5- Available models	Circular, square, rectangular, flat, tapered and all kind of shape used for openings in road maintenance.		
6- Available dimensions	As per attached “APPENDIX A”		
7- Finishing	Black colour		
8- Installation methods	As per attached literature		