Essentra – Self Adhesive _ Stick-On Feet / Buffers (SR 1593)

Polyurethan & Acrylic Adhesive

Polyurethane Physical Properties

Properties	Test Method	Clear	Coloured
Hardness (Shore A)	ASTN D-2240	66-70	66-70
Tensile Strength (MPA)	BS903	4.5MN/m2	4.5MN/m2
Elongation (%)	BS903	193	193
Tear Strength (KN/m)	BS903	14.4	14.4
Abrasion Resistance (MG loss)	BS EN 5470-1:1999	150	150
Load Tolerance 21°C to 60°C		Min 3 Mpa	Min 3 Mpa
Flame Retardancy	UL94HB (in house test)	Pass	Pass
Kinetic Coefficient of Friction	ASTM D - 1894 - 78		
	A Stainless Steel	2.52	2.52
	B Glass	2.7	2.7
	D High impact polystyrene	2.37	2.37
Shelf-Life - 12 months when stored in original packaging at room temperature			

Exposure to the Environment Bumperstops are intended for interior applications where physical properties will remain unchanged. When used externally for extended periods, some discolouration as well as loss of adhesion may occur.

Pressure Sensitive adhesive data

4001 - Standard on all BumperStop® Protectors

A solvent based acrylic adhesive with high instant tack. Strong stable pressure sensitive adhesive system which displays good adhesion to more demanding surfaces that would need higher levels of tack as well as good peel and shear properties. This adhesive system also displays good ageing properties when used for long term applications

Peel & Shear Data

Surface Material	Test Method	4001 Pressure Sensitive Adhesive	
		20min - 23°C 50% RH	**24h** - 23°C 50% RH
Stainless Steel	**Peel FINAT 1** Unit N/25mm	13.4	15.7
Aluminium		12.1	14.8
Glass		12.5	17.7
HDPE		4.1	4.4
Polystyrene		9.9	13.1
ABS		10.4	15.1
Stainless Steel	**Shear FINAT 8**		>300h
Stainless Steel	**Loop Tack N/25mm**	13.8	

Temperature Range

Adhesive No	Adhesive Type	Application Temperature	Service Temperature
4001	Solvent Acrylic	20°C to 40°C	- 40°C to + 120°C