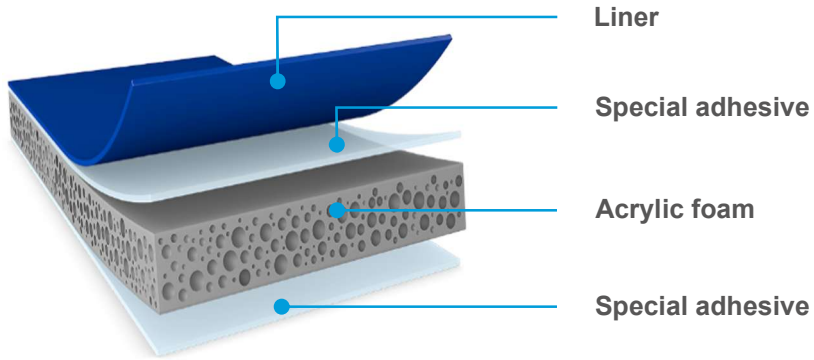
tesa® ACXplus 793XX

Technical information

tesa® ACXplus 793XX line

- Triple layer product: acrylic foam core with specialty adhesive on both sides
- Target substrates:
  - Medium/ surface substrates like, UV coating, ABS, PMMA
  - OEM clear coats like 1K, 2K or carbamate systems
- Target markets: automotive attachment parts
- Application examples: rocker panels, decorative trims, wheel arches, door fender, spoiler
- Available product format: logrolls, handrolls, spools
- Available thickness: 0.8 mm, 1.1 mm and 1.5 mm

Product structure



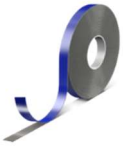
Main product features

- High bonding performance on plastics and difficult-to-bond clear coats
- Excellent bonding stability with long term temperature resistance up to 90°C
- Viscoelastic acrylic foam core to compensate for different thermal elongation of bonded parts
- Efficient and robust application
- Excellent wet-out property
- High humidity and UV resistance
- PFAS / PFOS free Product

Available format



tesa® ACX^{plus} 793XX logrolls



tesa® ACX^{plus} 793XX handrolls



tesa® ACX^{plus} 793XX spools

Product properties[1]	
Backing material	Foamed acrylic
Color	Gray
Density	600 kg/m³
Type of adhesive	Tackified acrylic
Temperature range short-term	-40 to 120°C
Temperature range long-term	-40 to 90°C

Adhesion properties[1]

Product name		tesa® 79308	tesa® 79311	tesa® 79315
	Total thickness (mm)	0.8	1.1	1.5
Initial peel adhesion[2]	**ASTM (N/cm)**	34	40	43
	ABS (N/cm)	34	39	38
	MSE clearcoat (polar) CS (N/cm)	32	39	43
	LSE clearcoat (non-polar) CS (N/cm)	32	39	38
3 days peel adhesion[3]	**ASTM (N/cm)**	34	41	43
	ABS (N/cm)	34	40	42
	MSE clearcoat (polar) CS (N/cm)	34	41	43
	LSE clearcoat (non-polar) CS (N/cm)	34	41	43
Shear resistance	**Static shear resistance at 90°C[4] (min)**	>10.000	>10.000	>10.000
	Dynamic shear resistance at RT[5] (kPa)	900	780	700
	Cold shock resistance at -30°C[6]	Pass / no failure	Pass / no failure	Pass / no failure

Liner properties[1]

Liner	PV15	PV19 (Double liner)
Color	Royal blue	Royal blue
Siliconized	Double side	Single side
Backing material	HDPE film	PE film
Tensile strength	26 N/cm	53.6 N/cm
Elongation at break	>1100 %	>1000 %
Tabbing capability	PSA tabbing (tesa® 50699 / 50099)	PSA tabbing (tesa® 50988) Heat tabbing (tesa® 50999)

Notes:
LSE: low surface energy
MSE: middle surface energy
OS: open side
CS: closed side
[1] Displayed values are target values, values can differ by customer substrates, load and test method.
[2] Without primer, 90° angle, 300 mm/min, 20 min
[3] Without primer, 90° angle, 300 mm/min, 3 days
[4] Static shear resistance at 90 °C on steel, 25 x 25 mm, 1 kg loading
[5] Room temperature dynamic shear on steel
[6] Cold slam or ball drop test, 10 times

Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

03/2026

Contact us here: Contact us - tesa

tesa.com