## TECHNICAL DATA SHEET



## TW60FRA Message Tape

Product data - printed message - backing film - backing film - dhickness - adhesive type - adhesive type - adhesive weight - tape width - tape length - fem trial tack - shear value on steel - elongation at break - elongation data - temperature - optimum storage - application temperature - printed message - printed message - racial data - printed message - pressure sensitive, water based acrylic - 28 m. (ASTM D3652) - 29 m. (ASTM D3652) - 20 mm - 66mtr - (ASTM D3121M) - 58 m. (ASTM D3330M) - 24 hours (ASTM D3330M) - 24 hours (ASTM D3759) - 20 m. (ASTM D3759) - 20 m. (ASTM D3759) - 21 m. (ASTM D3759) - 22 m. (ASTM D3759) - 23 m. (ASTM D3759) - 24 m. (ASTM D3759) - 25 m. (ASTM D3759) - 26 m. (ASTM D3759) - 27 m. (ASTM D3759) - 28 m. (ASTM D3759) - 29 m. (ASTM D3759) - 20 m. (ASTM D3759) - 20 m. (ASTM D3759) - 20 m. (ASTM D3759) - 21 m. (ASTM D3759) - 22 m. (ASTM D3759) - 23 m. (ASTM D3759) - 24 m. (ASTM D3759) - 25 m. (ASTM D3759) - 26 m. (ASTM D3759) - 27 m. (ASTM D3759) - 28 m. (ASTM D3759) - 29 m. (ASTM D3759) - 20 m. (ASTM D3759) - 20 m. (ASTM D3759) - 20 m. (ASTM D3759) - 21 m. (ASTM D3759) - 22 m. (ASTM D3759) - 23 m. (ASTM D3759) - 24 m. (ASTM D3759) - 25 m. (ASTM D3759) - 26 m. (ASTM D3759) - 27 m. (ASTM D3759) - 28 m. (ASTM D3759) - 29 m. (ASTM D3759) - 20 m. (ASTM D3759) - 21 m. (ASTM D3759) - 22 m. (ASTM D3759) - 23 m. (ASTM D3759) - 24 m. (ASTM D3759) - 25 m. (ASTM D3759) - 26 m. (ASTM D3759) - 27 m. (ASTM D3759) - 28 m. (AST	Product description	White low-noise polypropylene tape printed with high-visibility warning message
~ backing film — film thickness — 28mu (ASTM D3652) — adhesive type — ressure sensitive, water based acrylic — adhesive weight — 20gsm +/-6% acceptable tolerance (ASTM D3652) — tape width — tape length — tape length — tape length — 66mtr  Technical data — initial tack — peeling adhesion — shear value on steel — >24 hours (ASTM D3330M) — shear value on steel — >24 hours (ASTM D3759) — elongation at break — 105% (ASTM D3759)  Storage & application data — temperature — Optimum +25°C, minimum +15°C, maximum +65°C — optimum humidity — 65% — optimum storage — optimum st	Product data	
<ul> <li>Film thickness</li> <li>adhesive type</li> <li>radhesive weight</li> <li>20gsm +/-6% acceptable tolerance (ASTM D3652)</li> <li>tape width</li> <li>tape length</li> <li>Technical data</li> <li>initial tack</li> <li>peeling adhesion</li> <li>shear value on steel</li> <li>tensile strength</li> <li>75.0N/inch (ASTM D3759)</li> <li>Storage &amp; application data</li> <li>temperature</li> <li>optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum storage</li> <li>6 months, away from extreme temperature/humidity and direct sunlight</li> </ul>	~ printed message	FRAGILE
<ul> <li>adhesive type</li> <li>adhesive weight</li> <li>20gsm +/-6% acceptable tolerance (ASTM D3652)</li> <li>tape width</li> <li>tape length</li> <li>66mtr</li> <li>Technical data</li> <li>initial tack</li> <li>peeling adhesion</li> <li>shear value on steel</li> <li>tensile strength</li> <li>elongation at break</li> <li>105% (ASTM D3759)</li> <li>Storage &amp; application data</li> <li>temperature</li> <li>optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum humidity</li> <li>6 months, away from extreme temperature/humidity and direct sunlight</li> </ul>	~ backing film	Bi-axial oriented polypropylene
~ adhesive weight	~ film thickness	28mu (ASTM D3652)
~ tape width ~ tape length  Technical data ~ initial tack	~ adhesive type	Pressure sensitive, water based acrylic
<ul> <li>tape length</li> <li>Technical data</li> <li>initial tack</li> <li>peeling adhesion</li> <li>shear value on steel</li> <li>tensile strength</li> <li>elongation at break</li> <li>Storage &amp; application data</li> <li>temperature</li> <li>optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum storage</li> <li>66mtr</li> <li>3.5cm (ASTM D3121M)</li> <li>(ASTM D3330M)</li> <li>&gt;24 hours (ASTM D3654M)</li> <li>75.0N/inch (ASTM D3759)</li> <li>OS% (ASTM D3759)</li> <li>Optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum humidity</li> <li>65%</li> <li>65%</li> <li>6 months, away from extreme temperature/humidity and direct sunlights</li> </ul>	~ adhesive weight	20gsm +/-6% acceptable tolerance (ASTM D3652)
Technical data  ~ initial tack  ~ peeling adhesion  ~ shear value on steel  ~ tensile strength  ~ elongation at break  Storage & application data  ~ temperature  ~ optimum humidity  ~ optimum storage  3.5cm (ASTM D3121M)  6.3N/inch (ASTM D3330M)  > 24 hours (ASTM D3654M)  75.0N/inch (ASTM D3759)  105% (ASTM D3759)  Storage & application data  ~ temperature  Optimum +25°C, minimum +15°C, maximum +65°C  65%  < 6 months, away from extreme temperature/humidity and direct sunlights.	~ tape width	50mm
<ul> <li>initial tack</li> <li>peeling adhesion</li> <li>shear value on steel</li> <li>tensile strength</li> <li>elongation at break</li> <li>105% (ASTM D3759)</li> <li>elongation data</li> <li>temperature</li> <li>optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum humidity</li> <li>optimum storage</li> <li>6.3N/inch (ASTM D3330M)</li> <li>&gt;24 hours (ASTM D3654M)</li> <li>75.0N/inch (ASTM D3759)</li> <li>OSW (ASTM D3759)</li> <li>Optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum humidity</li> <li>optimum storage</li> <li>6 months, away from extreme temperature/humidity and direct sunlight</li> </ul>	~ tαpe length	66mtr
<ul> <li>peeling adhesion</li> <li>shear value on steel</li> <li>24 hours (ASTM D3654M)</li> <li>tensile strength</li> <li>elongation at break</li> <li>105% (ASTM D3759)</li> <li>Storage &amp; application data</li> <li>temperature</li> <li>optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum humidity</li> <li>optimum storage</li> <li>6 months, away from extreme temperature/humidity and direct sunlight</li> </ul>	Technical data	
<ul> <li>shear value on steel</li> <li>tensile strength</li> <li>elongation at break</li> <li>105% (ASTM D3759)</li> <li>elongation data</li> <li>temperature</li> <li>optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum humidity</li> <li>optimum storage</li> <li>6 months, away from extreme temperature/humidity and direct sunlight</li> </ul>		
<ul> <li>tensile strength</li> <li>elongation at break</li> <li>105% (ASTM D3759)</li> <li>Storage &amp; application data</li> <li>temperature</li> <li>optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum humidity</li> <li>optimum storage</li> <li>6 months, away from extreme temperature/humidity and direct sunlight</li> </ul>		6.3N/inch (ASTM D3330M)
~ elongation at break  105% (ASTM D3759)  Storage & application data ~ temperature  Optimum +25°C, minimum +15°C, maximum +65°C  optimum humidity  65%  optimum storage  < 6 months, away from extreme temperature/humidity and direct sunlights	~ shear value on steel	>24 hours (ASTM D3654M)
Storage & application data  ~ temperature  Optimum +25°C, minimum +15°C, maximum +65°C  ~ optimum humidity  ~ optimum storage  < 6 months, away from extreme temperature/humidity and direct sunlights	~ tensile strength	75.0N/inch (ASTM D3759)
<ul> <li>temperature</li> <li>Optimum +25°C, minimum +15°C, maximum +65°C</li> <li>optimum humidity</li> <li>optimum storage</li> <li>65%</li> <li>optimum extreme temperature/humidity and direct sunlights</li> </ul>	~ elongation at break	105% (ASTM D3759)
<ul> <li>optimum humidity</li> <li>optimum storage</li> <li>65%</li> <li>optimum storage</li> <li>6 months, away from extreme temperature/humidity and direct sunlights</li> </ul>	Storage & application data	
~ optimum storage < 6 months, away from extreme temperature/humidity and direct sunligh	•	·
	-	65%
~ application temperature  Between +18°C and +65°C		< 6 months, away from extreme temperature/humidity and direct sunlight
	~ application temperature	Between +18°C and +65°C