

Product Data Sheet – DR 357



Description

DR357 tape is a tamper evident laminate that “voids” when removed, with perforations and sequential numbers DR357 is designed for use on cardboard boxes in the packaging industry and other similar surfaces.

Roll Data

	Metric	Imperial
Material Width	50.8mm	2"
Roll Length	50m	164.04ft
Core I/D	76mm	3"

Material Data

	Test Method	Metric	Imperial
Film		BOPP	BOPP
Thickness	n/a	50 μ	0.00196"
Tensile strength (MD)	ASTM D 882 @ 50%/min	210 MN/m ²	
Tensile strength (TD)	ASTM D 882 @ 50%/min	175 MN/m ²	
Elongation at break (MD)	ASTM D 882 @ 50%/min	85%	85%
Elongation at break (TD)	ASTM D 882 @ 50%/min	105%	105%

Adhesive Data

	Formulated hot melt	Formulated hot melt
Adhesive thickness	40-60 gsm (~40-60 μ)	1.57 – 2.36 thou
Softening point (Mettler drop point)	92 $^{\circ}$ C	197.6 $^{\circ}$ F
SAFT	59 $^{\circ}$ C	138.9 $^{\circ}$ F
Peel (20 min, glass)	35N / 25mm	309 inch pounds
Peel (24 hours, glass)	37N / 25mm	327 inch pounds
Tack (glass)	60N / 25mm	531
Shear (25mm x 25mm, 23 $^{\circ}$ C, glass)	3 Days	3 Days (1" x1", 73.4 $^{\circ}$ F, glass)
Shear (25mm x 25mm, 40 $^{\circ}$ C, steel)	1.5 hours	1.5 hours (1" x1", 104 $^{\circ}$ F, steel)

Note #1: Tests carried out using 50 μ PET, 40gsm – tests cannot be carried out using tamper evident product as the tape is designed to “split” into 2 parts.

Note #2: The ingredients of the adhesive meet the compositional requirements of the American Food & Drug Administration regulations 21 CFR 175.105

Note #3: This product is not designed for food contact.

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Packaging

20 rolls per box

Storage

For the storage of DR357 it is recommended that dry conditions between 10-20°C (50-68°F), kept in the box, out of direct sunlight.