

3M Diamond Grade™ 983 Conspicuity Markings

Category : Polymer , Adhesive

Material Notes:

3M™ Diamond Grade™ Conspicuity Markings Series 983 are highly retroreflective micro-prismatic markings designed to mark the sides and rear of vehicles for enhanced visibility and detection. The reflective marking consists of prismatic lenses that are formed in a transparent synthetic resin, sealed and cracked with a pressure-sensitive adhesive clear poly liner. Applied to properly prepared surfaces Diamond Grade markings should provide seven years of field performance. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Diamond-Grade-983-Conspicuity-Markings.php

Physical Properties	Metric	English	Comments
Thickness	356 - 457 microns	14.0 - 18.0 mil	Caliper

Mechanical Properties	Metric	English	Comments
Peel Strength	0.438 kN/m	2.50 pli	12 in/min, 90° pullback, FRP
	0.526 kN/m	3.00 pli	12 in/min, 90° pullback, Prepainted panel
	0.526 kN/m	3.00 pli	12 in/min, 90° pullback, Tedlar™
	0.614 kN/m	3.50 pli	12 in/min, 90° pullback, Aluminum Rail
	0.929 kN/m	5.30 pli	12 in/min, 90° pullback, Degreased aluminum
	1.05 kN/m	6.00 pli	12 in/min, 90° pullback, Stainless steel

Optical Properties	Metric	English	Comments
Gloss	100 %	100 %	85°; ASTM D523

Descriptive Properties	Value	Comments
Whiteness	45 White	Reflective Limit Y
	5 Red	ASTM E1164

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