



Applied Technical Services

Automotive Tests & Standards

Volkswagen SAE Standards & Testing

Reference Specification	Test
(DIN 53479) DIN EN ISO 1183-1	<u>Density</u>
ISO 11357 / DSC Method (Substituted for ISO 3146)	<u>Melting Temperature</u>
DIN EN ISO 1133-A, Code T	<u>Melt Mass-Flow Rate</u>
DIN EN ISO 1172	<u>Ignition Residue</u>
DIN EN ISO 527-1	<u>Breaking Stress</u>
DIN EN ISO 527-2	<u>Yield Stress, Tensile Strength</u>
DIN EN ISO 178	<u>Flexural Strength</u>
DIN EN ISO 178	<ul style="list-style-type: none"> a. <u>Modulus of Elasticity- Room temperature</u> b. <u>Modulus of Elasticity- High temperature</u> c. <u>Modulus of Elasticity- Low Temperature</u>
DIN EN ISO 179-1/1eU; DIN EN ISO 179-1	<u>Un-Notched Impact Strength/(Charpy) Impact Resistance</u>
DIN EN ISO 179-1/1eA; DIN EN ISO 179-1	<u>Notched Impact Strength /Charpy Impact Resistance</u>
DIN EN ISO 306/ A50 or B50	<u>Vicat Softening Temperature/ Dimensional Stability</u>
ASTM E1252-98 (2013)	<u>Material FTIR</u>
DIN 53497	<u>Elevated Temperature Behavior</u>
DIN 53491	<u>Elevated Temperature Behavior</u>
DIN 53497	<u>Low Temperature Behavior</u>
PV 3905	<u>Ball Drop Test</u>
PV 3929	<u>Kalahari Test</u>
PV 3930	<u>Florida Test</u>
	<u>Resistance to Aging</u>
	<u>Resistance to Agents</u>
TL211	<u>Paint Coating</u>
TL226	<u>Thermal Conditioning</u>
PV 3925	<u>Formaldehyde Emissions</u>
PV 3341	<u>Emission of Organic Compounds/Total Emissions/VOC</u>
VW 50180	
PV 3015	<u>Condensable Constituents/ Emission Behavior (Fogging)</u>

PV 3900	<u>Odor</u>
PV 1303	<u>Lightfastness/Colorfastness/High Temperature Light Exposure</u>
PV 1306	<u>Tackiness</u>
PV 1200	<u>Environmental Cycle</u>
PV 2005	<u>Environmental Cycle</u>
Initial Condition per DIN EN ISO 2409	<u>Crosscut Adhesion</u>
•	<u>Aging at Elevated Temperature</u>
DIN EN ISO 6270-2	<u>Condensated Water Constant Climate</u>
•	<u>Corrosion Cycle</u>
DIN EN ISO 7253 Section 8.5	<u>Scribe</u>
•	<u>Hydrolysis Aging</u>
PV 3906	<u>Abrasion</u>
	-100 Crockmeter Strokes w/Dry Cloth
	-100 Crockmeter Strokes w/Moist Cloth
•	-2000 Crockmeter Strokes w/Dry Cloth per
•	<u>Resistance to Agents – drop test</u>
•	<u>Abrasion Behavior – Cleaning Agents</u>
PV3964	<u>Cream Resistance</u>
TL 1010	<u>Burning Behavior/Flammability</u>
VW 50190	<u>Colorimetric Evaluation</u>
•	<u>Environmental Aging</u>
•	<u>Heat Aging</u>
PV 3904	<u>Low Temp Aging</u>
PV 3937	<u>Amine Behavior</u>
	<u>Resistance to Cleaning Agents</u>
	<u>Cleaning Behavior</u>
	<u>Bonding</u>
	<u>Low Temp Behavior</u>
	<u>Elevated Temperature Behavior</u>
PV 3966	<u>Stress Whitening</u>
Section 5.6	<u>Low Temp Behavior</u>
•	<u>Color Analysis</u>

•	<u>Heat Aging</u>
PV 2034	<u>Adhesion of Decorated Material</u>
DIN EN ISO 1172	<u>Glass Fiber Content</u>
Section 3.2	<u>Moisture Content</u>
DIN EN ISO 2039-1	<u>Ball Indention Hardness</u>
DIN EN ISO 307	<u>Viscosity Number</u>
•	<u>Aging Resistance</u>
DIN 53505	<u>Hardness Test (Shore D)</u>
DIN EN ISO 1172	<u>Mineral Content</u>