

Telene® 1750

Technical DataSheet | Supplied by Telene (RIMTEC Corporation)

Telene® 1750 by Telene (RIMTEC Corporation) is a low density dicyclopentadiene (DCPD) thermosetting resin. This grade offers outstanding chemical resistance in acid & base, excellent combination of stiffness and impact resistance even at low temperature (-40°C), good dimensional stability and excellent electrical insulation. It provides ease of painting and good adhesion capabilities. Telene® 1750 can be processed using reaction injection molding (RIM). It is designed for commercial and industrial applications including body panels for cars, trucks, buses and off-highway equipment.

Product Type	DCPD (DiCycloPentadiene Resin)
Product Status	COMMERCIAL
Applications/ Recommended for	Automotive > Internal - Panels (car body panels) Injection molding- thermosets > Reaction Injection Molding (RIM)
Key Features	Adhesion, Good Chemical resistance, High Density, Low Dimensional stability, Good Impact resistance, High Insulating, Electrically Paintable Stiffness, High

Telene® 1750 Properties

Physical	Value & Unit	Test Condition	Test Method
Specific Gravity	1.03		ISO 1183
Smoke Time	35 - 80 s	At 30°C	Method 4
Brookfield Viscosity	> 210 cps	At 30°C, A& B Component	

Mechanical	Value & Unit	Test Condition	Test Method
Tensile Modulus	1850 MPa		ISO 527

Tensile Strength, Yield	43 MPa		ISO 527
Elongation at Yield	5 %		ISO 527
Flexural Strength	72 MPa		ISO 178
Flexural Modulus	1750 MPa		ISO 178
Impact Strength, Notched Izod	30 kJ/m ²	At 23°C	ISO 180/A

Thermal	Value & Unit	Test Condition	Test Method
Glass Transition Temperature, Tg	150 °C		ASTM D790
Deflection Temperature at 1.8 MPa (264 psi)	116 °C		ISO 75/A
CTE, Linear	79x10 ⁻⁶ m/m-°C		ISO 11359
Maximum Temperature	> 150 °C		Method 4

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