



O-Ring & Engineered Seals Division
2360 Palumbo Drive
Lexington, KY 40509

Preliminary Technical Data Sheet

Parker Compound: SD141-20 KIT

Kit contents: SD141-20 (Part A) and SD141-20 (Part B).

Mix Ratio: is 1:1 dispensed through a 24-flight static mixing tube. SD141-20 Part A is blue and SD141-20 Part B is white.

Cure time 12hrs @ 23C or 5 minutes at 100°C. Tack free after 30 minutes @ 23 °C. Cure time is temperature dependent and can be accelerated by heating.

Compound Description: Cure in Place Gasket material (CIPG)/Form in Place Gasket material (FIPG)

Typical Data: Listed in the table below: specimens cured 12hrs @ 23C except for lap shear specimens.

	<u>Test Method</u>	<u>Test Results</u>
<u>Original Physical Properties</u>		<u>SD141-20 KIT</u>
Hardness, Shore A, pts.	ASTM D2240	20
Tensile Strength, psi, min	ASTM D412	131
Ultimate Elongation, %	ASTM D412	534
Specific Gravity	ASTM D297	1.169
Modulus, psi	ASTM D412	33
<u>LAP SHEAR TEST</u>	ASTM D1002	Lap shear stress (psi)
Plasma treated Ni coated metal (Cured at 100C for 30min)		118 (Cohesive)
Plasma treated Polycarbonate (Cured at 100C for 30min)		59 (Mixed)
<u>FLAMMABILITY RESISTANCE, UL-94 HB</u>		In progress
<u>Viscosity (cps) @ 12.6 (1/s) shear rate, 25C</u>		Part A: 102980, Part B: 100470

Information provided in this TDS is intended to provide typical data on properly cured specimens and is not intended for the purposes of establishing specifications.
Each user should make their own tests to determine the suitability for their own particular use.
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