



Microwave solutions for the next generation in advanced materials processing

**VFM TECHNICAL DATA SHEET**  
**JSR MICRO**  
**WPR-5200**

**ADHESIVE PROPERTIES** (As reported by manufacturer)

Elastic Modulus (GPa): 2.5  
Elongation (%): 6.5  
Tensile Strength (MPa): 80  
Tg Measured by TMA (°C): 210°C  
CTE Below Tg (ppm/°C): 54  
Dielectric Constant : 3.5 @ 1MHz  
Thermal Decomposition (°C): (1% loss)

**Cure comparison by film thickness after soak in NMP @40°C:**

(As reported by manufacturer)

<b>Temp (°C) / time (min)</b>	<b>Before (mm)</b>	<b>After (mm)</b>	<b>% change</b>
200 / 25 (VFM)	20.51	20.5	<b>-0.05</b>
	20.52	20.53	<b>0.05</b>
180 / 45 (VFM)	20.09	20.1	<b>0.05</b>
	20.24	20.26	<b>0.1</b>
160 / 90 (VFM)	20.54	20.72	<b>0.88</b>
	20.62	20.76	<b>0.68</b>
200 / 120 (oven)	20.55	20.56	<b>0.05</b>