

FUNDAMENTALS OF VACUUM

Table 3-11 Gassing Rates at Room Temperature in Torr Liters/cm<sup>2</sup> sec

<i>Material</i>	<i>After a few hours of pumping</i>	<i>After a 24-hr bake</i>	<i>Bakeout temp., °C</i>	<i>Ref.</i>
Nylon 51	2 × 10 <sup>-8</sup> (51 hr)	4 × 10 <sup>-11</sup>	120	(59)
Araldite CT200 + HT901	5 × 10 <sup>-8</sup> (51 hr)	10 <sup>-10</sup>	100	(59)
Neoprene	10 <sup>-6</sup>			(57)
Viton A	7 × 10 <sup>-8</sup> (52 hr)	1.3 × 10 <sup>-9</sup>	200	(60)
Teflon	10 <sup>-8</sup> -10 <sup>-7</sup>	Low	250	(57),(61)
Glass	10 <sup>-9</sup> -10 <sup>-8</sup>	10 <sup>-15</sup> -10 <sup>-14</sup>	400	(62)
Ceramic	10 <sup>-9</sup> -10 <sup>-8</sup>	10 <sup>-15</sup> -10 <sup>-14</sup>	400	(57),(62)
Metal	10 <sup>-9</sup> -10 <sup>-8</sup> (10 <sup>-10</sup> after 50-100 hr)	10 <sup>-15</sup> -10 <sup>-14</sup>	400	(62),(63)