CP75TA11 Datasheet

Amber, Nano-Polymer Filled Perfluoroelastomer 75A

Overview

Canrez® CP75TA11 is Canyon's specialty translucent amber FFKM developed specifically for semiconductor manufacturing environments, plasma & laser applications, & high purity medical applications. Compare it to Kalrez 9100, 8085, and 6375.

Features & Benefits

- Ultra-high purity
- Low etch rate & low particle generation
- Near universal chemical resistance
- High resistance to plasma

Recommended Applications

- Semiconductor Dry & Wet
  - Ashing, etching, polishing, PVD, deposition, PECVD, LPCVD, SACVD, CVD, RPCVD, HDPCVD, APCVD, RTP, wafer cleaning, lamp anneal, metal & SiO2 etching, CMP, Oxidation, litho, EPI +SiGe
- Medical, laser, & plasma applications

Service Temperature

- -10°C to 290°C (14°F to 554F)

Test Data

Table 1. Physical Properties	
Color	Translucent Amber
Hardness, Shore A	75
Tensile Strength, psi (MPa)	2509 (17.3)
Elongation	159%
Fluorine Content, %	72.7

Table 2. Compression Set	
70hrs at 200°C	19%
70hrs at 290°C	44%

Plasma Exposure

Table 3. Direct Plasma Exposure (REI) Test Process Conditions		
Parameter	**O2**	**O2 + CF4**
Plasma Power, Watts	150	200
Pressure, mtorr	350	280
Heater Temperature, °C	RT	RT
Gas Flow O2, SCCM	20	10
Gas Flow CF4, SCCM	N/A	100

Table 4. ICP Chamber Direct Plasma		
Gas	**CP75TA11**	**Competitor**
O2, Mass Loss %	28	31.1
O2 + CF4, Mass Loss %	34.8	37.5

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