

PROCUREMENT OF PERFLUORO ELASTOMER

SPECIFICATIONS

1.	SERVICE TEMPERATURE	Upto 300°C
2.	CHEMICAL RESISTANCE	1. Resistance to oxygen and fluorine plasma environments 2. Resistant to corrosive liquids like acids and oils 3. Resistance to steam, hot water and mixed process streams
3.	COLOR	WHITE OR BLACK
4.	<u>COMPOUND CHARACTERISTICS</u>	
	Mooney viscosity ML(1+10) @ 121 °C	80-120 MU
	Cure characteristics MDR @ 170°C, 0.5° arc	Scotch time (min): 60 sec
		Cure time: 200-325 sec
5.	<u>PHYSICAL AND MECHANICAL PROPERTIES</u>	
	HARDNESS	75 - 80 Shore A
	SPECIFIC GRAVITY	2.00-2.15 g/cc
	COMPRESSION SET	Less than 30% @ 200°C FOR 70 HRS
	TENSILE STRENGTH	1.2 MPa (min)
	ELONGATION AT BREAK	150 % (min)
6.	<u>TERMS AND CONDITIONS</u>	
	LOT SIZE	5 kg standard packing, shall be packed adequately to avoid any damage/contamination during handling & transit
	TERMS OF CONTRACT & DELIVERY TERMS	1. Party shall submit with offer, technical details of perfluoro elastomer material in production line with mechanical properties and density values (from NABL approved labs) (to be compulsorily addressed and remarks noted). 2. Prior experience on perfluoro elastomer shall be provided with part details (to be compulsorily addressed and remarks noted). 3. The party shall supply the material in staggered manner 4. Party shall supply 2 Nos. of ASTM slabs and 2 Nos. of compression set buttons (sample supply) within 45 days from the date of release of purchase order. 5. Clearance of first lot shall be arranged based on property evaluation of sample material. 6. Sample shall comply with material identification tests in VSSC. 7. Failing to comply with acceptance standards shall lead to order cancellation. 8. The first lot shall be supplied within 45 days from the date

		<p>of sample clearance from VSSC.</p> <p>9. The second lot should be supplied within 25 days from the date of sample clearance from VSSC.</p> <p>10. The final lot should be supplied within 25 days from the date of sample clearance from VSSC.</p> <p>11. Detailed compliance chart on VSSC specifications and supplier specifications to be shared with remarks, along with the quotation.</p>
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