

## Elite-1

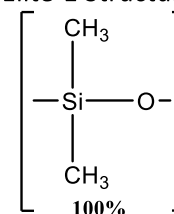
The Elite-1 100% dimethyl polysiloxane columns is a highly versatile, non-polar, cross-linked general purpose phase that is rugged, exhibiting long column lifetime, low bleed, and high maximum operating temperatures. The Elite-1ht (high-temperature) is designed for reduced bleed when operating at higher temperature (up to 400 °C).

Primary Applications: Elite-1 columns are ideal for the analysis of non-polar petrochemical samples, such as detailed hydrocarbon analysis, hydrocarbon gases, petroleum oxygenates, petroleum aromatics, fuels, waxes, oils, sulfur compounds, mercaptans, and carbon disulfide. It also is an excellent phase for solvents, chemicals, flavors, fragrances, essential oils, air toxins, chlorofluorocarbons, arson analysis, pesticides, hydrocarbons and high-temperature applications.

### Features and Benefits

- Temperature Range: -60 °C to 350 °C
- Equivalent to USP G1, G2, and G38 phases

Elite-1 Structure



ID (mm)	df (µm)	Temp Limits (°C)	5 m Part No.	15 m Part No.	30 m Part No.	60 m Part No.	105 m Part No.
0.25	0.10	-60 to 330/350		<b>N9316006</b>	<b>N9316009</b>	<b>N9316012</b>	
	0.25	-60 to 330/350		<b>N9316007</b>	<b>N9316010</b>	<b>N9316013</b>	
	0.50	-60 to 330/350		<b>N9316686</b>	<b>N9316685</b>		
	1.00	-60 to 320/340		<b>N9316008</b>	<b>N9316011</b>	<b>N9316014</b>	
0.32	0.10	-60 to 330/350		<b>N9316016</b>	<b>N9316022</b>	<b>N9316027</b>	
	0.25	-60 to 330/350	<b>N9316596</b>	<b>N9316017</b>	<b>N9316023</b>	<b>N9316028</b>	
	0.50	-60 to 330/350			<b>N9316021<sup>1</sup></b>	<b>N9316691</b>	
	1.00	-60 to 320/340		<b>N9316018</b>	<b>N9316024</b>	<b>N9316029</b>	
	1.50	-60 to 310/330			<b>N9316050</b>	<b>N9316580</b>	
	3.00	-60 to 280/300		<b>N9316019</b>	<b>N9316025</b>	<b>N9316030</b>	
	5.00	-60 to 260/280		<b>N9316020</b>	<b>N9316026</b>	<b>N9316031</b>	
0.45	0.13	-60 to 330/350		<b>N9316032</b>			
	0.42	-60 to 310/330		<b>N9316037</b>	<b>N9316041</b>		
	1.27	-60 to 310/330		<b>N9316034</b>	<b>N9316038</b>	<b>N9316042</b>	
	2.55	-60 to 270/290		<b>N9316035</b>	<b>N9316039</b>		<b>N9316043</b>
	4.25	-60 to 260/280	<b>N9316032</b>	<b>N9316036</b>	<b>N9316040</b>		
0.53	0.15	-60 to 320/340		<b>N9316045</b>			
	0.50	-60 to 310/330		<b>N9316049</b>	<b>N9316053</b>		
	1.50	-60 to 310/330		<b>N9316046</b>	<b>N9316050</b>	<b>N9316054</b>	
	3.00	-60 to 270/290		<b>N9316047</b>	<b>N9316051</b>	<b>N9315499</b>	<b>N9316692</b>
	5.00	-60 to 270/290	<b>N9316044</b>	<b>N9316048</b>	<b>N9316052</b>		

ID (mm)	df (µm)	Temp Limits (°C)	10 m Part No.	12 m Part No.	20 m Part No.	25 m Part No.	50 m Part No.
0.05	0.05	-60 to 330/350	<b>N9316056</b>				
	0.20	-60 to 330/350	<b>N9316057</b>				
0.10	0.10	-60 to 330/350	<b>N9316058</b>				
	0.40	-60 to 320/340			<b>N9316061</b>		
0.18	0.18	-60 to 330/350	<b>N9316001</b>		<b>N9316003</b>		
	0.40	-60 to 320/340	<b>N9316002</b>		<b>N9316004</b>		<b>N9316005<sup>2</sup></b>
0.20	0.33	-60 to 330/350		<b>N9316062</b>		<b>N9316063</b>	<b>N9316064</b>

<sup>1</sup> **N9316021**: Elite-1, 25M x 0.32 mm x 0.52 µm    <sup>2</sup> The length of **N9316005** is 40 m