
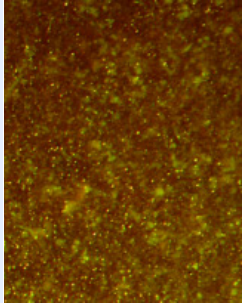


EP43™ Rod Stock	Characteristics	Applications
	<ul style="list-style-type: none"> • Injection moulded reinforced polyphenylensulfid based and modified bearing material • Good chemical and hydrolysis resistance • Very low friction, optimised for dry running conditions • High dimensional stability • Rod stock for prototypes and small series production • Colour: brown 	<p>General Generally applicable within the limits of the material properties</p> <p>Industrial Domestic appliances, materials handling equipment, apparatus engineering, slot machines and cash boxes and many more</p>

Composition & Structure	Operating Conditions	Availability										
<p>Injection moulded thermoplastic dry bearing material PPS + PTFE + Aramid</p>	<table border="1"> <tr> <td>dry</td> <td>very good</td> </tr> <tr> <td>oiled</td> <td>good</td> </tr> <tr> <td>greased</td> <td>good</td> </tr> <tr> <td>water</td> <td>very good</td> </tr> <tr> <td>process fluid</td> <td>good after resistance testing</td> </tr> </table>	dry	very good	oiled	good	greased	good	water	very good	process fluid	good after resistance testing	<p>Ex Stock</p> <ul style="list-style-type: none"> • Rod stock <p>To order</p> <ul style="list-style-type: none"> • N/A
dry	very good											
oiled	good											
greased	good											
water	very good											
process fluid	good after resistance testing											

Microsection	Bearing Properties	Unit	Value
 <p>Injection moulded thermoplastic dry bearing material with additives homogeneously mixed in</p>	<p>Dry</p> <p>Maximum sliding speed v</p>	m/s	1.0
	<p>Maximum pv factor The pv Limit is depending on the heat dissipating surface to contact area ratio 1) $A_H/A_C = 5$ 2) $A_H/A_C = 10$ 3) $A_H/A_C = 20$</p>	MPa x m/s	1) 0.22 2) 0.90 3) 3.59
	<p>Coefficient of friction f</p>	–	0.11 - 0.20
	<p>Grease lubrication</p> <p>Maximum sliding speed v</p>	m/s	-
	<p>Maximum pv factor</p>	MPa x m/s	-
	<p>Coefficient of friction f</p>	–	-
	<p>General</p> <p>Maximum temperature T_{max}</p>	°C	+240
	<p>Minimum temperature T_{min}</p>	°C	-40
	<p>Maximum load p static</p>	MPa	83
	<p>Shaft surface finish R_a</p>	µm	0.5±0.3
<p>Shaft hardness</p>	HV	>200	