

## TYPICAL PROPERTIES

# VESPEL® ASB LINE



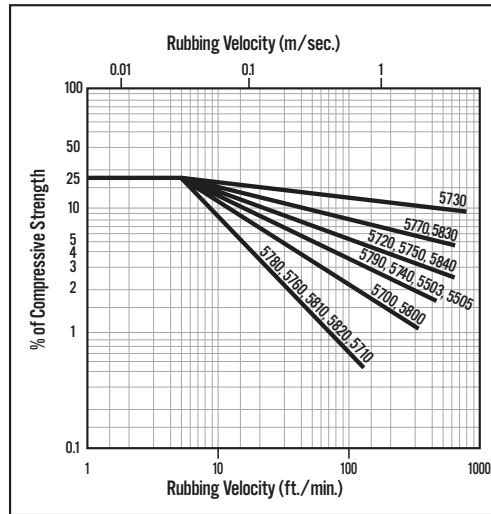
### METAL MATRIX SERIES

The metal matrix series of DuPont™ Vespel® ASB parts offers good wear life under extremely high dynamic loads at relatively high temperature. This self-lubricating material also offers good performance in vacuum and cryogenic environments. By coupling self-lubricating and high-load properties with the appropriate selection of metal housings, DuPont can help design an assembly that is durable and matches the CTE of the mating components.

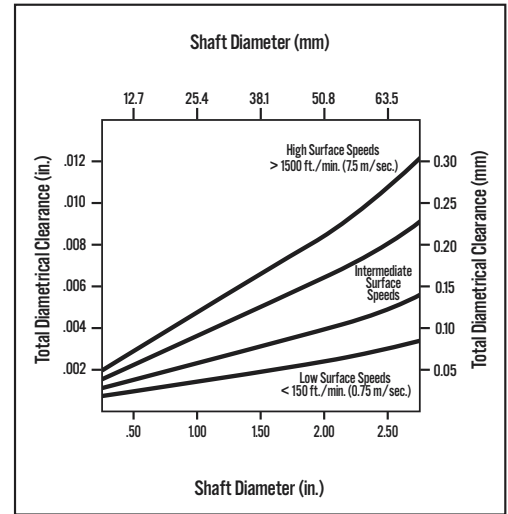
TYPICAL PROPERTIES OF METAL MATRIX GRADES										
GRADE	THERMAL				MECHANICAL					
	TEMPERATURE LIMIT				THERMAL CONDUCTIVITY		ULTIMATE COMPRESSIVE STRENGTH		HARDNESS	
	OXIDIZING ATMOSPHERE		NEUTRAL ATMOSPHERE		BTU/hr./ft.²/F		W/m K		ksi	MPa
	°F	°C	°F	°C						
5790	750	400	2100	1150	2.5	45	105.0	725	80	

## ASB CG METALLIC-SUPPORTED COMPOSITES

### RECOMMENDED MAXIMUM DYNAMIC LOADS



### RECOMMENDED SHAFT CLEARANCE FOR DRY RUNNING



**For more information about DuPont™ Vespel®:**

---

**UNITED STATES**

DuPont Engineering Polymers  
Pencader Site  
Newark, DE 19714-6100  
Tel: 800-222-VESP  
Fax: (302) 733-8137

**EUROPE**

DuPont de Nemours  
(Belgium) BVBA-SPRL  
Engineered Parts Center  
A. Spinoystraat 6  
B-2800 Mechelen  
Belgium  
Tel: ++32 15 441527  
Fax: ++32 15 441408

**ASIA-PACIFIC**

**Japan**

DuPont K.K.  
Arco Tower  
8-1, Shimomeguro 1-chome  
Meguro-ku, Tokyo 153-0064  
Tel: 03-5434-6989  
Fax: 03-5434-6982

**Korea**

DuPont Korea Limited  
4/5 Floor, Asia Tower, #726  
Yeoksam-dong, Kangnam-ku  
Seoul 135-082  
Tel: 02-222-5200  
Fax: 02-222-5470

**Taiwan/  
China**

DuPont Taiwan Limited  
13th Floor, Hung Kuo Building  
167, Tun Hwa North Road  
Taipei, Taiwan 105  
Tel: 02-719-1999  
Fax: 02-712-0460

---

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience become available. Since we cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Medical Caution Statement."