DURACON[®] POM Grade Catalog



Polyacetal (POM)

M90-07	
K30680	
Special	

POLYPLASTICS CO., LTD.

eral Properties (
Unit	Test Method	Special
		M90-07
		Black Color Concentrate
Color		
	ISO11469 (JIS K6999)	>POM-CD10<
g/cm ³	ISO 1183	-
%	ISO 62	-
g/10min	ISO 1133	5.0
cm ³ /10min	ISO 1133	-
MPa	ISO 527-1,2	47
%	ISO 527-1,2	20 ^{*1}
MPa	ISO 527-1,2	2,200
MPa	ISO 178	-
MPa	ISO 178	-
kJ/m ²	ISO 179/1eA	-
°C	ISO 75-1,2	-
x10⁻⁵/℃	Our standard	11
x10⁻⁵/℃	Our standard	11
kV/mm	IEC 60243-1	-
Ω∙cm	IEC 60093	-
Ω	IEC 60093	-
Ω∙cm		-
Ω		-
%	ISO 294-4	-
%	ISO 294-4	-
M(Scale)	ISO2039-2	80
x10 ⁻³ mm ³ /(N·km)	JIS K7218	-
x10 ⁻³ mm ³ /(N·km)	JIS K7218	-
	JIS K7218	-
	g/cm ³ % g/10min cm ³ /10min MPa % MPa MPa MPa MPa MPa MPa MPa MPa MPa MPa	ISO11469 (JIS K6999) g/cm³ ISO 1183 % ISO 1133 % ISO 1133 (m³/10min ISO 1133 Cm³/10min ISO 1133 MPa ISO 527-1,2 % ISO 527-1,2 MPa ISO 527-1,2 MPa ISO 527-1,2 MPa ISO 178 MPa ISO 178 MPa ISO 178 KJ/m² ISO 179/1eA °C ISO 75-1,2 X10 ⁻⁵ /°C Our standard kV/mm IEC 60243-1 Ω·cm IEC 60093 Ω·cm IEC 60093 Ω·cm ISO 294-4 % ISO 2039-2 x10 ⁻³ mm³/(N·km) JIS K7218

table1-1 General Properties (ISO)

Item	Unit	Test Method	Special
			M90-07
			Black Color Concentrate
Specific wear amount (Thrust, vs C-Steel, material side, pressure 0.98MPa, 30cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	-
Specific wear amount (Thrust, vs C-Steel, steel side, pressure 0.98MPa, 30cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	-
Coefficient of Dynamic Friction (Thrust, vs C- Steel, pressure 0.98MPa, 30cm/s)		JIS K7218	-
Specific wear amount (Thrust, vs M90-44, material side, pressure 0.06MPa, 15cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	-
Specific wear amount (Thrust, vs M90-44, M90- 44 side, pressure 0.06MPa, 15cm/s)	x10 ⁻³ mm ³ /(N·km)	JIS K7218	-
Coefficient of Dynamic Friction (Thrust, vs M90- 44, pressure0.06MPa, 15cm/s)		JIS K7218	-
Flammability		UL94	Ref. UL link
The yellow card File No.			E66328
Appropriate List number of Ministerial Ordinance for Export Trade Control			Item 16 of Appendix -1

*1) Nominal strain at break

All figures in the table are the typical values of the material and not the minimum values of the material specifications.

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NOTES TO USERS

- All property values shown in this brochure are the typical values obtained under conditions prescribed by applicable standards and test methods.
- This brochure has been prepared based on our own experiences and laboratory test data, and therefore all data shown here are not always applicable to parts used under different conditions. We do not guarantee that these data are directly applicable to the application conditions of users and we ask each user to make his own decision on the application.
- It is the users' responsibility to investigate patent rights, service life and potentiality of applications introduced in this brochure.
 Materials we supply are not intended for the implant applications in the medical and dental fields, and therefore are not recommended for such uses.
- For all works done properly, it is advised to refer to appropriate technical catalogs for specific material processing.
- For safe handling of materials we supply, it is advised to refer to the Safety Data Sheet "SDS" of the proper material.
- This brochure is edited based on reference literature, information and data available to us at the time of creation. The contents of this brochure are subject to change without notice upon achievement of new data.
- Please contact our office for any questions about products we supply, descriptive literatures or any description in this brochure.

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