

Polyacetal (POM)

DURACON[®]**M90-57 WK2001****M270-57 WK2001**

Standard Grade for Food Contact Items

Features

- Good mechanical properties and Mold-ability.
- Useful for food contact materials under the regulations by USA/EU/JP.

Table-1. Status of complying of M90-57/M270-57 WK2001 for regulations.

Regulation	Target	
	M90-57	M270-57
Food contact under FDA regulation	Complied	Under application In Apr.2016
Food contact under EU regulation	Under application In May. 2016	Under application In May. 2016
Food Sanitation Act(Japan);	Complied	Under application In May. 2016
Other Food Contact -NSF51, Japanese PL	Under application In Apr. 2016	Under application In May. 2016
Drinking water regulations; -NSF61, W270, ACS, KTW, WRAS	Under application In May. 2016	Under application In May. 2016
UL flammability	Under application In Apr. 2016	Under application In May. 2016

The detailed information is described in declaration sheet for M90-57 WK2001/M270-57 WK2001.If you want to know more, please contact our office.

Properties: Mechanical Properties and Mold-ability

Table-2 General Properties of M90-57 and M270-57 WK2001

Item	Methods	Unit	M90-57	M270-57
Melt Index	ISO1133	g/10 min	9	27
Density	ISO1183	g/cm ³	1.41	1.41
Tensile Strength	ISO527-1,2	MPa	66	66
Tensile Elongation		%	37	20
Tensile Modulus		MPa	2,700	2,900
Flexural Strength	ISO178	MPa	88	91
Flexural Modulus		MPa	2,500	2,600
Charpy Impact Strength	ISO179/1eA	kJ/m ²	9	7
HDT	ISO75-1,2	°C	95	95

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

Fig.-1 Mold-abilities of M90-57 WK2001

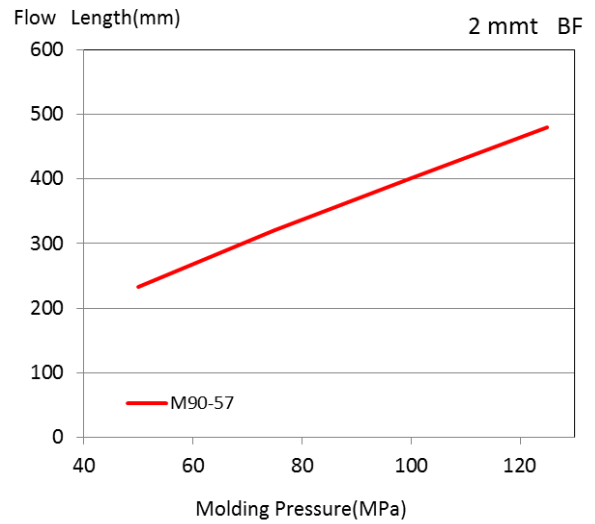
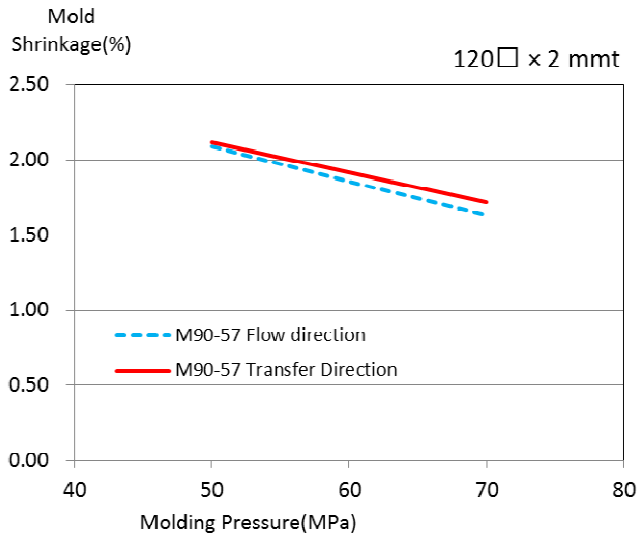
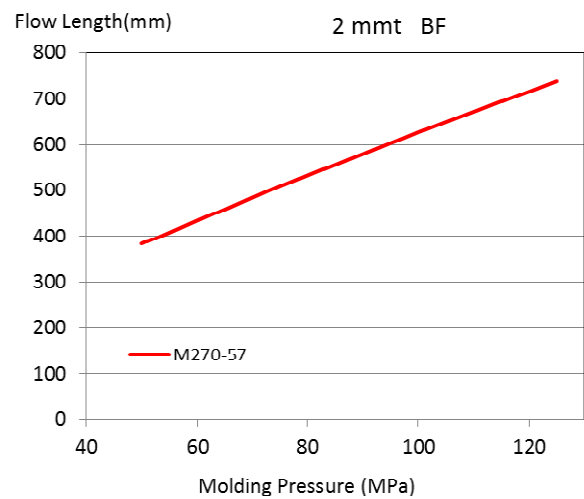
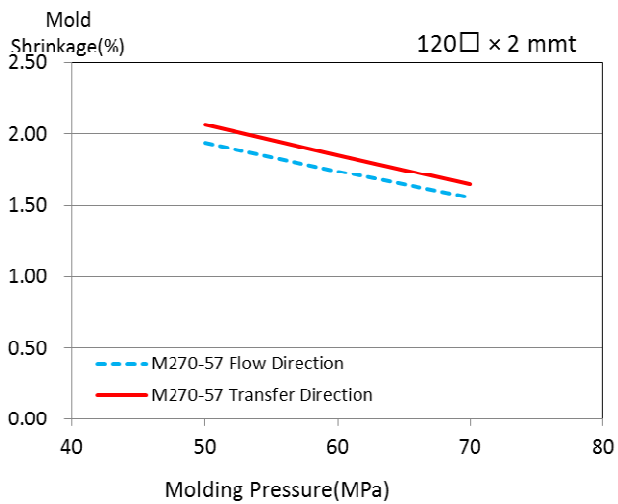


Fig.-2 Mold-abilities of M270-57 WK2001



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 literatures, information and data currently available to us. So the contents of this brochure are subject to change without notice due to 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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POLYPLASTICS CO., LTD.

JR Shinagawa East Bldg.,
18-1, Konan 2-chome, Minato-ku, Tokyo, 108-8280 Japan
Tel: +81-3-6711-8610 Fax: +81-3-6711-8618

<http://www.polyplastics.com/en/>