

# TROGAMID® Care MX73-L

Polyamide  
Evonik Industries AG

## Message:

Microcrystalline TROGAMID® Care MX is the material of choice for all applications dealing with pharmaceutical formulations, lipids or aggressive disinfectants, since it exhibits an exceptional resistance towards chemicals and stress-cracking. Examples include fluid and drug delivery equipment such as stop-cocks, dialyzer parts, housings, covers or hearing aids. Target areas of application for TROGAMID® Care MX compounds include fluid and drug delivery systems, surgical instruments, housings, monitoring and imaging devices and durable medical equipment. All advantages at a glance

High transparency  
High chemical resistance  
Very good stress crack resistance  
UV resistance  
High dynamic load-bearing capacity  
Easy processability & colorability  
Free of BPA

General Information			
Features	Biocompatible		
	BPA Free		
	Good Chemical Resistance		
	Good Colorability		
	Good Processability		
	Good UV Resistance		
	High Clarity		
	High ESCR (Stress Crack Resist.)		
Uses	Housings		
	Medical Devices		
	Medical/Healthcare Applications		
	Pharmaceuticals		
	Surgical Instruments		
Agency Ratings	ISO 10993		
	USP 88		
	USP Class VI		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.02	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus	1400	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	8.0	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	> 50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Complete Break)	13	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	137	°C	ISO 306/A
--	131	°C	ISO 306/B
Melting Temperature (DSC) <sup>1</sup>	250	°C	ISO 11357
NOTE			
1.	2nd Heating		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

