

TROGAMID® Care MX73-A

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 | | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1460 | MPa | ISO 527-2 |
| Tensile Stress (Yield, 23°C) | 59.0 | 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) | 10 | kJ/m ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | No Break | | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |
| Melting Temperature (DSC) ¹ | 250 | °C | ISO 11357 |
| NOTE | | | |

1. 2nd Heating

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