

Product Texts

Product-nomenclature: ISO 16396-PA MXD6/MXDI,,FNST,C12-060

Partially aromatic Polyamide

Transparent Polyamide

Product Attributes

High viscosity, Highly transparent, Barrier material

Markets

Packaging

Blow moulded containers, Injectionstretchblowmoulded containers, Non oriented film, Oriented film,
Paper coating, Tubes, Medical packaging

Approvals

Food Contact

EU Requirements, FDA

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	50 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	4000 / 4000	MPa	ISO 527

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	218 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Optical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Gloss, 60°	150 / *	-	ISO 2813

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5.5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2 / *	%	Sim. to ISO 62
^[C] Density	1210 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Film Properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Maximum strain, parallel	4.5 / *	%	ISO 527-3
^[C] Maximum strain, normal	3.5 / *	%	ISO 527-3
^[C] Elmendorf Tear resistance, parallel	5 / *	N	ISO 6383-2
^[C] Elmendorf Tear resistance, normal	5 / *	N	ISO 6383-2
^[C] Trouser Tear resistance, parallel	10 / *	N/mm	ISO 6383-1

Grivory HB 5299 natural

PA*

EMS-GRIVORY | a unit of EMS-CHEMIE AG

[C] Trouser Tear resistance, normal	10 / *	N/mm	ISO 6383-1
[C] WVTR, 23°C/85%r.h.	6 / *	g/(m ² *d)	ISO 15106-1/-2
[C] Oxygen transmission rate, 23°C/0%r.h.	4 / *	cm ³ /(m ² *d*bar)	ISO 15105-1/-2
[C] Oxygen transmission rate, 23°C/85%r.h.	4 / *	cm ³ /(m ² *d*bar)	ISO 15105-1/-2
[C] Carbon Dioxide transm. rate, 23°C/0%r.h.	15 / *	cm ³ /(m ² *d*bar)	ISO 15105-1/-2
[C] Carbon Dioxide transm. rate, 23°C/85%r.h.	15 / *	cm ³ /(m ² *d*bar)	ISO 15105-1/-2

[C]: CAMPUS

Characteristics

Processing

Film Extrusion, Other Extrusion, Coating, Blow Molding

Delivery form

Granules, Natural Color

Special Characteristics

Transparent

Features

Barrier Properties

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Medical, Packaging

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa