

Nylon-MXD6 K7007C

Polyarylamide

Mitsubishi Gas Chemical America, Inc.

Message:

Nylon-MXD6 K7007C is a Polyarylamide (PARA) product. It is available in Asia Pacific, Europe, or North America. Typical application: Food Contact Applications.

General Information			
Agency Ratings		EU Food Contact, Unspecified Rating	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Water Absorption (Equilibrium, 20°C, 65)	5.8	%	ASTM D570
Moisture Regain ¹ (20°C)	3.1	%	ASTM D570
Heat Distortion	96	°C	ASTM D648
Semi-Crystallization Time (160°C)	1.5	min	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4700	MPa	ASTM D638
Tensile Strength	99.0	MPa	ASTM D638
Tensile Elongation (Break)	2.3	%	ASTM D638
Flexural Modulus	4400	MPa	ASTM D790
Flexural Strength	160	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Carbon Dioxide Transmission Rate (23°C, 60% RH)	0.420	cm ³ /m ² /24 hr	
Oxygen Permeability			
23°C ²	0.110	cm ³ /m ² /24 hr	
23°C ³	0.0700	cm ³ /m ² /24 hr	
Water Vapor Transmission Rate (40°C, 90% RH)	1.4	g/m ² /24 hr	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	85.0	°C	DSC
Melting Temperature	237	°C	DSC
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696
NOTE			
1.	Equilibrium, 65% relative humidity		
2.	80%RH		
3.	60%RH		

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

