

EMS-Grivory Grivory® CA 6 E PA*

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Product description: Grilon CA 6 E is a non-extracted copolyamide with a low melting point. Grilon CA 6 E characterizes itself through the following properties Very high flexibility and toughness Very good thermoforming and orientation properties High shrink Very good transparency Low melting point (130°C) Grilon CA 6E is suitable for use as a middle layer of a multi layer structure. Suitable applications include flexible packaging for foodstuffs such as shrinkable film for consumer packaging E.g meat, cheese, sausage and fish. Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-CA-6-E-PA.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Water Absorption	5.0 %	5.0 %	ISO 62
Moisture Absorption	2.00 %	2.00 %	ISO 62
Water Vapor Transmission	20.0 g/m ² /day	1.29 g/100 in ² /day	23°C/85%r.h.; DIS 15106-1/-2
Oxygen Transmission Rate	150 cc/m ² /day	9.66 cc/100 in ² /day	23°C/0%r.h.; DIS 15105-1/-2
	250 cc/m ² /day	16.1 cc/100 in ² /day	23°C/85%r.h.; DIS 15105-1/-2
Carbon Dioxide Transmission	450 cc-mm/m ² -24hr-atm	1140 cc-mil/100 in ² -24hr-atm	23°C/0%r.h.; DIS 15105-1/-2
	850 cc-mm/m ² -24hr-atm	2160 cc-mil/100 in ² -24hr-atm	23°C/85%r.h.; DIS 15105-1/-2
Melt Flow	250 g/10 min	250 g/10 min	(MVR) [cm ³ /10min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	20.0 MPa	2900 psi	ISO 527-3
Film Tensile Strength at Yield, TD	18.0 MPa	2610 psi	ISO 527-3
Film Elongation at Break, MD	900 %	900 %	ISO 527-3
Film Elongation at Break, TD	900 %	900 %	ISO 527-3
Film Elongation at Yield, MD	15 %	15 %	ISO 527-3
Film Elongation at Yield, TD	15 %	15 %	ISO 527-3
Tensile Modulus	0.350 GPa	50.8 ksi	conditioned; ISO 527-1/-2
Tear Strength	65.0 kN/m	371 pli	Trouser Tear resistance MD; ISO

Mechanical Properties	Metric	English	6383-1 Comments
	65.0 kN/m	371 pli	Trouser Tear resistance TD; ISO 6383-1
Elmendorf Tear Strength MD	8160 g	8160 g	ISO 6383-2
Elmendorf Tear Strength TD	8160 g	8160 g	ISO 6383-2
Film Tensile Strength at Break, MD	90.0 MPa	13100 psi	ISO 527-3
Film Tensile Strength at Break, TD	60.0 MPa	8700 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	130 °C	266 °F	10°C/min; ISO 11357-1/-3

Optical Properties	Metric	English	Comments
Gloss	130 %	130 %	60°; ISO 2813

Descriptive Properties	Value	Comments
Food contact	EU Requirements	
Form	Granules	
Gelboflex test [holes/m ²], EMS	100	
Packaging	Oriented film	
Processing	Blown Film Extrusion	
	Film Extrusion	
	Other Extrusion	
Product Attributes	Barrier Properties	
	Co Polyamide	
	Flexible	
	High viscosity	
Special Characteristics	Transparent	

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