

PEBAX® 7033 SA 01

Polyether block amide **Pebax® 7033 SA 01 resin** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SA grade is suitable for food contact applications.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Molding Shrinkage, parallel	1.2 / *	%	ISO 294-4, 2577
Molding Shrinkage, normal	1.5 / *	%	ISO 294-4, 2577
MECHANICAL PROPERTIES			
Tensile Modulus	414 / 390	MPa	ISO 527-1/-2
Yield stress	23 / 22	MPa	ISO 527-1/-2
Yield strain	22 / 20	%	ISO 527-1/-2
Nominal Strain at Break	> 50 / > 50	%	ISO 527-1/-2
Shore D Hardness, 15s	61 / *	-	ISO 7619-1
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 120	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 20	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	172 / *	°C	ISO 11357-1/-3
Vicat Softening Temperature, 50°C/h 50N	164 / *	°C	ISO 306
OTHER PROPERTIES			
Water Absorption	0.7 / *	%	Sim. to ISO 62
Humidity Absorption	1.1 / *	%	Sim. to ISO 62
Density	1010 / -	kg/m ³	ISO 1183

MAIN APPLICATIONS: • Athletic foot wear components • Food tubing

• Note: this grade is not recommended by Arkema for usage in medical applications. For such applications Pebax® SA 01 MED should be used

PACKAGING:

This grade is delivered dried in sealed packaging (20 or 25 kg bags) ready to be processed.

SHELF LIFE:

Two years from the delivery. For any use above this limit, please refer to our technical services.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 230°C / 260°C / 290°C.

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- Typical mold temperature : 25 – 60°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 5-7 hours at 70-80°C.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 220°C / 235°C / 250°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 5-7 hours at 70-80°C.

PROCESSING

Injection Molding, Other Extrusion

DELIVERY FORM

Pellets

SPECIAL CHARACTERISTICS

Heat Stabilized

REGIONAL AVAILABILITY

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

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