

PEBAX® 7233 SA 01

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Polyether block amide **Pebax® 7233 SA 01 resin** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SA grade is suitable for food contact applications.

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	- / 510	MPa	ISO 527-1/-2
	- /	psi	
Yield stress	74000 - / 26	MPa	ISO 527-1/-2
	- / 3770	psi	
Yield strain	- / 18	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness	61 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 15	kJ/m²	ISO 179/1eA
	- / 7.14	ftlb/in²	
Charpy Notched Impact Strength, -30°C	- / 10	kJ/m²	ISO 179/1eA
	- / 4.76	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	174 / *	°C	ISO 11357-1/-3
Temp. of Deflection Under Load, 0.45 MPa	106 / *	°C	ISO 75-1/-2
	223 / *	°F	
Vicat Softening Temperature, 50°C/h 50N	106 / *	°C	ISO 306
	223 / *	°F	
OTHER PROPERTIES			
Water Absorption	0.9 / *	%	Sim. to ISO 62
Humidity Absorption	0.7 / *	%	Sim. to ISO 62
Density	1010 / -	kg/m³	ISO 1183
	1.01 / -	g/cm³	

PEBAX®

7233 SA 01

- MAIN APPLICATIONS:**
- Athletic foot wear components
 - Ski shoes
 - 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 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.
- 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	