7033 SP 01

Polyether block amide **PEBAX® 7033 SP 01** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SP grade has been developed to be heat and UV resistant, with improved properties compared to SN grades.

Main Characteristics	Value	Unit	Test Method
Density	**1.01**	g/cm^3	ISO 1183
Water Absorption at Equilibrium at 20℃ and 50 % RH	**0.7**	%	ISO 62
Water Absorption at Saturation 24 h in water at 23℃	**0.9**	%	
Melting Point	**172**	℃	ISO 11357
Vicat Point Under 1 daN	**164**	℃	ISO 306
Hardness Shore (*) Instantaneous After 15 s	 **69** **61**	 Shore D Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	 **54** **>350**	 MPa %	ASTM D 638
Flexural Modulus (*)	**390**	MPa	ISO 178
Charpy Impact unnotched 23℃ unnotched -30℃ V-notched 23℃ V-notched -30℃	 **No break** **No break** **120** (p) **20** (c)	 kJ/m² kJ/m² kJ/m² kJ/m²	ISO 179

(*) Samples conditioned 15 days at 23℃ - 50 % R.H.

(p) = Partial Break; (c) = Complete Break

Processing Conditions	Typical Values
Drying (*): Time / Temperature	5-7 hours / 70-80℃
Injection Temperature: Min / Recommended / Max	230℃ / 260℃ / 290℃
Extrusion Temperature: Min / Recommended / Max	220℃ / 235℃ / 250℃
Mold Temperature:	25-60℃

(*) Pebax® is delivered dried in sealed packaging ready to be processed. Drying is only necessary for bags opened for more than 2 hours.

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The world is our inspiration

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