MX 1717

Polyether bloc amide **PEBAX® MX 1717** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This grade is designed for selective molecule diffusion: it allows a controlled release of active molecules with time (perfume, insecticide…).

Main Characteristics	Value	Unit	Test Method
Density	**1.00**	g/cm^3	ISO 1183
Water Absorption at Equilibrium at 20℃ and 50 % RH	**0.4**	%	ISO 62
Water Absorption at Saturation 24 h in water at 23℃	**1.2**	%	
Melting Point	**134**	℃	ISO 11357
Vicat Point Under 1 daN	**58**	℃	ISO 306
Hardness Shore (*) Instantaneous After 15 s	**27** **22**	Shore D Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	**32** **>750**	MPa %	ASTM D 638
Flexural Modulus (*)	**12**	MPa	ISO 178
Charpy Impact unnotched 23℃ unnotched -30℃ V-notched 23℃ V-notched -30℃	**No break** **No break** **No break** **No break**	kJ/m² kJ/m² kJ/m² kJ/m²	ISO 179

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

Processing Conditions	Typical Values
Drying (*): Time / Temperature	4-8 hours / 55-65℃
Injection Temperature: Min / Recommended / Max	180℃ / 210℃ / 240℃
Extrusion Temperature: Min / Recommended / Max	170℃ / 190℃ / 210℃
Mold Temperature:	10-30℃

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

DPT/TDS/10272/ April 2008

The world is our inspiration

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