+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

pebax®

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 **Water Absorption at Saturation** 24 h in water at 23℃	**0.4** **1.2**	% %	ISO 62
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 **Extrusion Temperature:** Min / Recommended / Max	180℃ / 210℃ / 240℃ 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.

ARKEMA
The world is our inspiration