

APAN ESTER EXTRUSION GRADE

Thermoplastic polyurethane extrusion grade, polyester type with high mechanical properties and chemical resistance, high abrasion resistance and tensile strength, good properties at low temperature

Properties Method	Unit	APAN MA 75 E	APAN MA 80 E	APAN MA 80 X	APAN MA 85 XC	APAN MA 85 E	APAN MA 85 X	APAN MA 90 E	APAN MA 90 X	APAN MA 92 X	APAN MA 95 X	APAN MA 50 SG	APAN MA 50 DU
Hardness DIN ISO 48-4	Shore A	78	82	82	82	86	86	90	90	92	95	-	-
Hardness DIN ISO 48-4	Shore D	-	-	-	-	-	-	-	-	-	46	52	53
Density DIN EN ISO 1183-1	g/cm ³	1,18	1,19	1,19	1,19	1,20	1,20	1,21	1,21	1,21	1,2	1,23	1,23
Tear strenght DIN ISO 34-1	N/mm	70	80	80	80	90	90	100	110	110	120	130	130
Tensile modulus 300% elong. DIN 53515	MPa	10	12	12	12	14	14	16	16	18	24	30	30
Tensile strenght DIN 53504	MPa	40	40	40	40	45	45	45	45	45	50	50	50
Elongation at break DIN 53504	%	700	650	650	650	600	600	550	550	500	450	400	350
Elastic modulus ISO 527	MPa	-	-	-	-	-	-	-	-	-	80	120	150
Abrasion resistance DIN ISO 4649	mm ³	30	30	30	30	30	30	30	30	30	30	35	40
Note	-	A - B	A	A - C	A - C - D	A	A - C	A	A - C	A - C	A - C	A - C	A - C - E

NOTE: A: food contact material approved; B: soft without plasticizer; C: low gel content material; D: material with high content of releasing wax; E: material with improved elastic modulus

Typical properties are to be considered as representative of current production and should not be treated as specifications. The values are obtained from test specimen, gotten by injection moulding and conditioned for 24 hs at 100°C