

Polypropylene

Grades used in thermoforming and sheet extrusion applications

Grade	Supply source	MFR (g/10min)	Flexural Modulus (Mpa)	Tensile Strength (Mpa)	Notched Izod at 23° (KJ/m ²)	HDT (°C)	Application & Features
PP HOMOPOLYMER, Moplen & Adstif & Hostalen							
Moplen HP500D	Thailand	0.5	1560	35	10.4	103	Low sagging resin for Vaccum thermoforming, Sheet for food and electronic tray
Moplen HP748H	Thailand	2	1800	38	4.7	115	Clear and highly stretchable resin for deepdrawn beverage thermoforming cup, sheet
Moplen HP6134	Thailand	2	1800	38	3.5	119	Thermoform packaging, Sheet & profiles extrusion, Microwavable food containers, Thermoforming bottles
Moplen HP400H	Thailand	2.1	1450	33	4	95	Slit tape, straws, rope, sheet
Adstif HA849K	Thailand	3.5	2150	40	3	128	Very high stiffness, heat resistance and high clarity for Multilayer thermoforming
Adstif HA686J	Korea	3	1780	37	5	125	Sheet, Thermoforming, Food tray
Hostalen H2150	Korea	0.3	1500	36	6	110	Industrial sheet, Chemical pipe, Rod
Moplen HP647D	Korea	0.5	1950	38	6	120	Sheet, Thermoforming with enhanced stiffness
Moplen HP650D	Korea	0.7	1750	38	5	115	Sheet, Thermoforming
PP HETEROPHASIC COPOLYMER, Moplen & Hostalen							
Hostalen H5416T	Thailand	0.3	850	26	58	84	Pipe, Sheet
Moplen RP6068	Thailand	1.1	650	21	No break	72	High clarity extrusion sheet and thermoform parts, high clarity for extrusion blow molding bottles
Moplen RP242G	Thailand	1.5	920	27	No break	82	High clarity for extrusion blow molding bottles, sheet, caps and closures
Hostalen H5416K	Korea	0.3	850	27	23	83	Pipe, Sheet
Moplen RP303G	Korea	1.9	1300	33	6	100	Sheet, Thermoforming, Extrusion Blow Molding
Moplen RP440K	Korea	4.5	1450	36	5	100	Stationary sheet, Thermoforming, Rigid packaging

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PP HETEROPHASIC COPOLYMER, Moplen & Adstif							
Moplen EP332C	Korea	0.35	1100	33	No break	95	Industrial sheet, Thermoforming
Moplen EP300C	Korea	0.5	1100	32	No break	100	Sheet, Thermoforming
Moplen EP5078	Korea	0.5	1400	30	No break	107	Sheet, Thermoforming, Extrusion Blow Molding
Moplen EP5079	Korea	0.5	1500	32	No break	120	Sheet, Thermoforming, Extrusion Blow Molding
Moplen EP640E	Korea	0.8	1550	32	No break	123	Sheet, Thermoforming, Extrusion blow molding with enhanced stiffness
Moplen EP641E	Korea	1	1600	31	No break	126	Corrugated board, Rigid sheet, Thermoforming
Moplen EP440G	Korea	1.3	1350	35	No break	110	Sheet, Corrugated board, Extrusion Blow Molding
Adstif EA640G	Korea	1.3	1600	29	40	114	Industrial sheet, Thermoforming with enhanced stiffness
Adstif EA648G	Thailand	1.2	1650	30	30	117	High heat and cold impact resistance for freezer to microwave Thermoforming trays, sheet
Hostalen H2483	Thailand	0.3	1800	32	56	108	Sheet, PP high modulus (PP-HM) for drainage and sewage pipe systems
Moplen EP310D	Thailand	0.7	1100	26	No break	90	Thermoformed sheet, non-pressure pipe, retort film and blown film
Moplen EP300H	China/ Korea/ Thailand	2	1100	25	No break	88	Thermoforming Trays, sheets, corrugated board, extrusion profiles, Extrusion blow molding bottles
SOFTNESS AND IMPACT MODIFIERS, ADFLEX							
Adflex X100G	Europe	8	80	6	NB	40	Adflex X100G features a high softness, low modulus, good processability and excellent impact performance at low temperatures. Adflex X100G can be used as softener and /or low temperature impact modifier for polypropylene.
Adflex X500F	Europe	7.5	550	14	65	58	Adflex X500F features a low modulus, good processability, high gloss and good clarity. It can be blended with other transparent polyolefinic resins to improve the low temperature impact resistance maintaining the transparency.

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