

# Polybutene-1 product portfolio

## Pressure pipes, hot water tanks & flexible tubing

Grade	MFR 190°C / 2.16kg ISO 1133-1 [gr/10min]	Flexural Modulus ISO 178 [Mpa]	Typical applications
Akoalit PB 4237 Grey / Akoalit PB 4238 White	0.4	450	Potable water pressure pipes and fittings (ISO 15876)
Akoalit PB 4267 Grey / Akoalit PB 4268 White	0.6	450	Potable hot water tanks
Akoalit PB R 539	0.7	370	District heating pipes (EN 15632)
Akoalit DKG 300	2.0	6.000	Fittings and components for potable hot water contact (ISO 15876)
Akoafloor PB 4235-1 Ivory	0.6	450	Radiator connection pipes (ISO 15876)
Akoafloor PB R 509 / Akoafloor PB R 509 Brown	0.7	370	Surface heating and cooling pipes (ISO 15876)
Akoaflex MR05 B40	1.2	40	Tap water connections, shower hoses, food hoses
Akoaflex MR05 P40	1.1	86	

## Flexible packaging solutions

Grade	MFR 190°C / 2.16kg ISO 1133-1 [gr/10min]	Melt Temperature [°C]	Typical applications
Toppyl PB 0110M	0.4	128	Neat resins for dispersion in PE-based sealing layers to obtain 'easy-peel' feature. For blown film, cast film, sheet and extrusion coating
Toppyl PB 8220M	2.5	97	
Toppyl PB 8340M	4.0	113	
Toppyl PB 8640M	1.0	113	
Toppyl PB 8220M	2.5	97	Neat resins for modifying the PP-based sealing layer to obtain a reduced Seal Initiation Temperature (SIT) of BOPP, cast and blown film
Toppyl PB 8310M	3.5	94	
Toppyl SP 2000B	2.0	–	Ready-to-use compounds to obtain 'easy-peel' feature with PE blown film and PE substrates
Toppyl SP 2001B	0.8	–	
Toppyl SP 2101C NP	9.0*	–	Ready-to-use compounds to obtain 'easy-peel' feature with PP film and PP substrates. For blown film, cast film, sheet and BOPP
Toppyl SP 2102C	5.7*	–	
Toppyl SP 2103C NP	7.0*	–	
Toppyl SP 2104C NP	7.5*	–	
Toppyl SP 2400F	1.3	–	'Burst-peel' for PE blown film structures (≥5 layers)

## Hot melt adhesives, carpet backings & compounding

Grades (metallocene PB-1)	Brookfield Viscosity 190°C [mPa*s]	Flexural Modulus ISO 178 [Mpa]	Typical applications
Koattro PB M 0600M	13.500	100	Hot melt adhesives, textile lamination, carpet backing, compounding, viscosity modification
Koattro PB M 1200M	6.900	340	
Koattro PB M 1500M	5.600	<100	
Koattro PB M 2500M	3.200	350	
Koattro PB M 8510M	230.600	120	Hot melt adhesives, textile lamination, compounding, viscosity modification
Koattro PB M 8911M	46.600	100	
Koattro KT MR05	1.3 MFR**	<10	Hot Melt Adhesives (Pressure Sensitive Adhesives) / Compounding - Modification PP film to improve ductility, puncture resistance, tackiness, transparency
Koattro KT MR06	1.3 MFR**	<10	
Koattro PB 0801M	46.600	410	HMA, compounding (ZN grade)
Koattro PB 0300M	>300.000	–	HMA, compounding (ZN grade)

## Healthcare applications

Grades (metallocene PB-1)	MFR 190°C / 2.16kg ISO 1133-1 [gr/10min]	Shore Hardness (Shore A) ISO 868	Typical applications
Purell KT MR07	1.3	60	Blending component with PP for IV and Peritoneal bags, medical tubing

\*MFR 230°C / 2.16kg

\*\*MFR 190°C / 2.16kg (gr/10min)

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