

Polyblend HFFR Compounds



Composition PP/Halogen free flame retardant
 Application Injection Moulding / Extrusion
 Appearance Granules
 Colour natural or black

Grade name		PB 1983	PB 1995	PB 2009	PB 2010	PB 2011 *GF*	PB 2012	
Property	Test method							Unit
Density	DIN EN ISO 1183-1-A	1,41	0,99	0,97	1,08	1,1	1,43	g/cm ³
Melt volume rate MVR	ISO1133 (230 °C/ 2,16 kg)	15	3	20	16	6	11	cm ³ /10 min
Moisture	Infrared (105 °C, 15 min)	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	%
Tensile strength at yield	ISO 527	12,5	23	23	21	80	10,9	MPa
Tensile strain at yield	ISO 527	0,6	5	3,2	2,2	3,5	1,0	%
Tensile Modulus	ISO 527	2600	1500	1700	2200	5000	2800	MPa
Impact strength notched	ISO 179-1eA 23°C	6	5	2,3	2	7	6	kJ/m ²
Impact strength	ISO 179-1eU 23°C	NB	NB	40	20	35	25	kJ/m ²
Fire classification	UL94 (thickness 3.2 mm)	V-0	V-0	V-0	V-0	V-0	V-0	

This table shows only a brief overview of our flame-retardant compounds, tailor-made modifications are also available. Please contact our technical service.

GF: Glass fibre reinforced