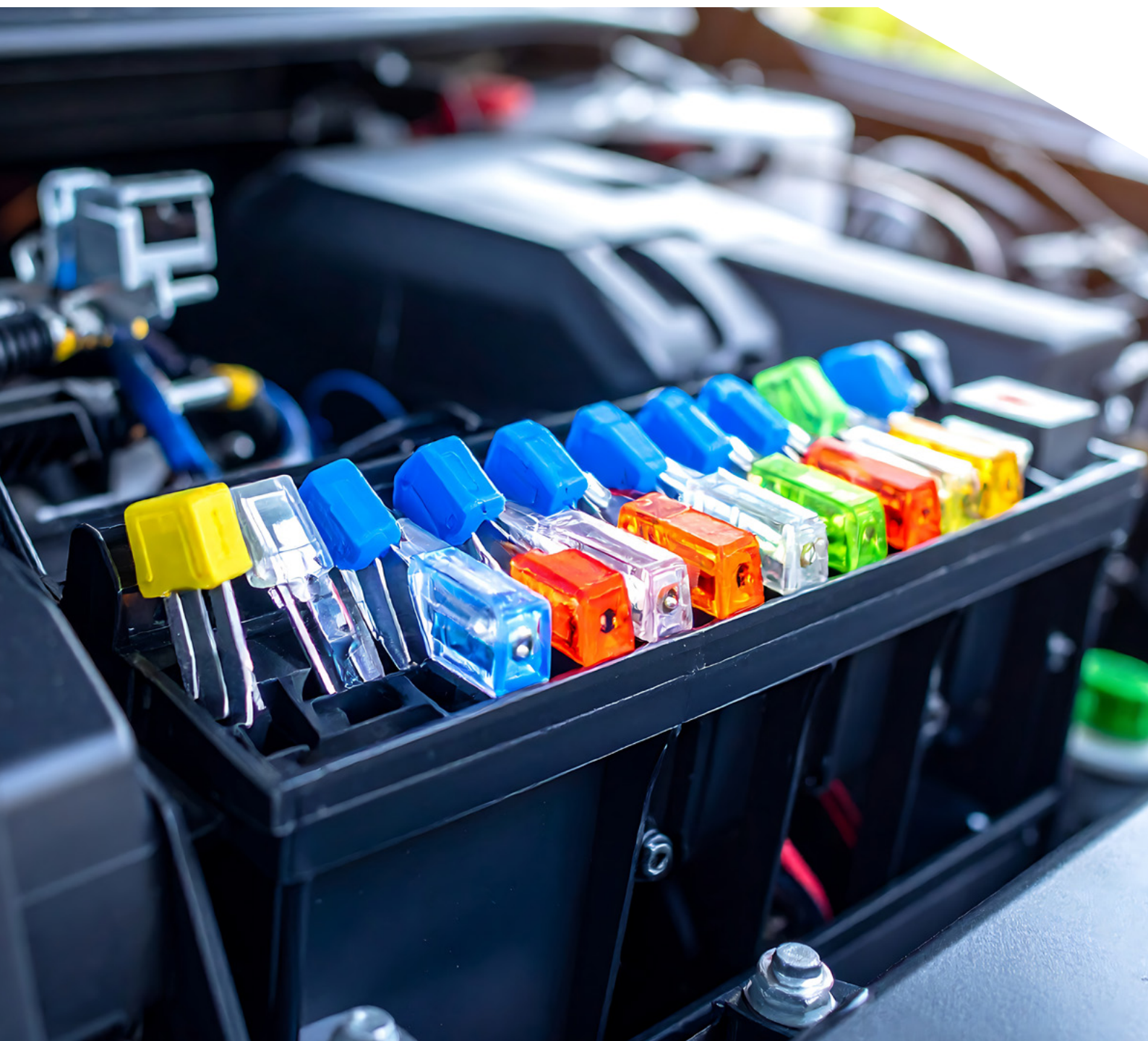


Schuladur compounds

A polyester-based portfolio formulated for your unique needs - Europe



Schuladur compounds - Europe

The *Schuladur* portfolio represents a comprehensive range of polyester-based engineered compounds from LYB, with PBT (polybutylene terephthalate) as the semi-crystalline engineered polymer. These versatile compounds serve diverse applications across automotive, electrical & electronics, office technology, appliances and sports & leisure industries. While available in black, both virgin and sustainable grades offer unlimited color options, with sustainable grades optimized for lighter color palettes.

Grade name	Product Description & Special Attributes	Circular Solutions	Specific Gravity (g/cm3)	MVR 260°C / 2,16Kg	Tensile Modulus (MPa)	Tensile Strength at break (MPa)	Tensile strain at break (%)	Tensile strength at Yield (MPa)	Tensile strain at Yield (%)	Charpy impact strength (kJ/m2) +23°C	Charpy impact strength (kJ/m2) -30°C	Notched Charpy (kJ/m2) +23°C	Notched Charpy (kJ/m2) -30°C	HDT A/B °C	Vicat A /B °C
Unfilled Schuladur PBT															
Schuladur A MV14	Medium viscosity		1.31	15	2600	-	-	55	4	NB	-	5	4.5	55 / 150	- / -
Schuladur A NV12 SHI	Low viscosity and impact modified		1.25	25	2000	-	-	47	5	NB	NB	15	8	52 / 138	216 / 160
Filled PBT															
Schuladur A GB30	30% GB		1.51	7.5	4100	54	3	-	-	60	35	4	3	80 / 172	219 / 189
Schuladur A GF10	10% GF		1.37	11	4400	80	3.7	-	-	30	30	4	3	180 / 215	221 / 200
Schuladur A GF10 HI2	10% GF and impact modified		1.37	30	4500	90	3.5	-	-	35	35	5	4	185 / 215	218 / 205
Schuladur A GF15 HI	15% GF and impact modified		1.37	15	5200	92	3.8	-	-	61	33	11	6	190 / 217	219 / 197
Schuladur A GF20	20% GF		1.45	20	7000	115	2.5	-	-	57	-	8	-	195 / 215	218 / 208
Schuladur A GF30	30% GF		1.53	18	10000	130	2.5	-	-	60	55	8	5	205 / 215	218 / 213
Schuladur A GF30 HI	30% GF and impact modified		1.49	5	8400	110	3.3	-	-	70	60	12	8	204 / 213	- / -
Schuladur A GF30 LW	30% GF and laser weldable		1.53	18	10000	130	2.5	-	-	60	55	8	5	205 / 215	218 / 213
Reinforced PBT Blends (PBT/PET, PBT/ASA)															
Schuladur A1 GF15 K1947	15% GF and low odor PBT/PET		1.43	18	6700	112	2.4	-	-	25	18	5	4	186 / 213	215 / 194
Schuladur A1 GF30	30% GF PBT/PET		1.55	24	11000	140	2.4	-	-	55	50	8	8	205 / 225	- / 204
Schuladur A1 GF30 LW	30% GF and laser weldable PBT/PET		1.55	24	11000	140	2.4	-	-	55	50	8	8	205 / 225	- / 204
Schuladur A1 GF30 U	30% GF and UV stabilized PBT/PET		1.55	24	10500	148	2	-	-	55	50	9	9	205 / 225	- / 204
Schuladur A1 GF50	50% GF PBT/PET		1.75	20 260°C / 5Kg	18500	175	1.5	-	-	60	60	10	10	203 / 225	218 / 201
Schuladur A3 GF20	20% GF PBT/ASA		1.34	20	6500	96	2.6	-	-	45	30	8	5	172 / 210	205 / 145
Schuladur A3 GF30 K2224	30% GF PBT/ASA		1.42	25 250°C / 5Kg	9300	118	2.5	-	-	50	48	9	8	180 / 214	210 / 145
Schuladur A3 GF30 LM	30% GF and laser markable PBT/ASA		1.42	25 250°C / 5Kg	9300	118	2.5	-	-	50	48	9	8	180 / 214	210 / 145
Schuladur PCR GF15 K1947	15% GF, low odor PBT/PET with 40% PCR content	●	1.43	18	6700	112	2.4	-	-	25	18	5	4	186 / 213	215 / 194
Schuladur PCR GF20	20% GF PBT/PET with 33% PCR content	●	1.47	20	7600	120	2.5	-	-	30	28	6	5	190 / 215	215 / 190
Schuladur PCR GF20 HI	20% GF, impact modified PBT/PET with 10% PCR content	●	1.39	26 260°C / 5Kg	6200	95	3.1	-	-	56	54	10	7	187 / 212	-
Schuladur PCR GF30	30% GF PBT/PET with 33% PCR content	●	1.55	17	11000	142	2.1	-	-	50	48	8	8	200 / 225	216 / 200
Schuladur PCR GF30 K1947	30% GF, low odor PBT/PET with 33% PCR content	●	1.55	17	2300	142	2.1	-	-	50	48	8	8	200 / 225	216 / 200
Schuladur PCR GF30 LS	30% GF, UV stabilized PBT/PET with 30% PCR content	●	1.55	17	2400	142	2.1	-	-	50	48	8	8	200 / 225	216 / 200
Schuladur PCR GF45	45% GF PBT/PET with 15% PCR content	●	1.68	11	15500	160	1.7	-	-	50	50	8	8	208 / 225	216 / 200

Abbreviations:
PCR: Post-consumer mechanically recycled content
GB: Glass beads
GF: Glass fibres

About us

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit www.lyb.com or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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