

Schuladur PCR

Innovation supports environment



Cost efficient and eco balanced PBT/PET blends using post-consumer e-manufactured PET supporting you to find the right material for your projects:

- Better surface quality than PBT compounds
- Lower warpage than PBT compounds
- Superior processability
- Colourable on request
- Eco balanced due to reduction of CO₂ emission
- Globally available
- Trusted by numerous OEM's and Tier 1's

Some typical applications

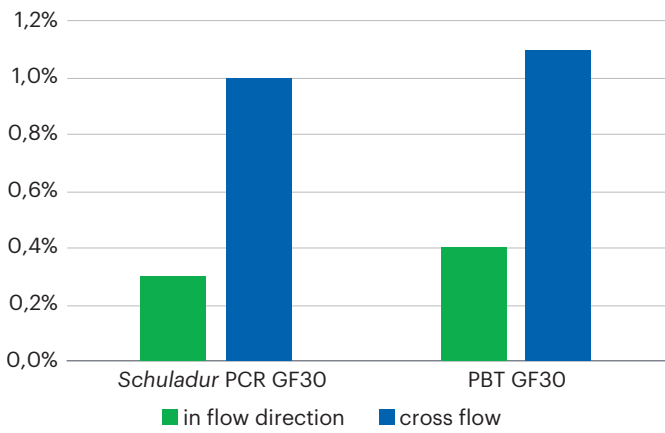
- **Electrics:** connectors and coils, ignition systems
- **Chassis:** window motor housings, wiper motor housings, door lock systems, door modules
- **Exterior:** wiper systems, door handles
- **Interior:** sun roofs

General properties of the Schuladur PCR family

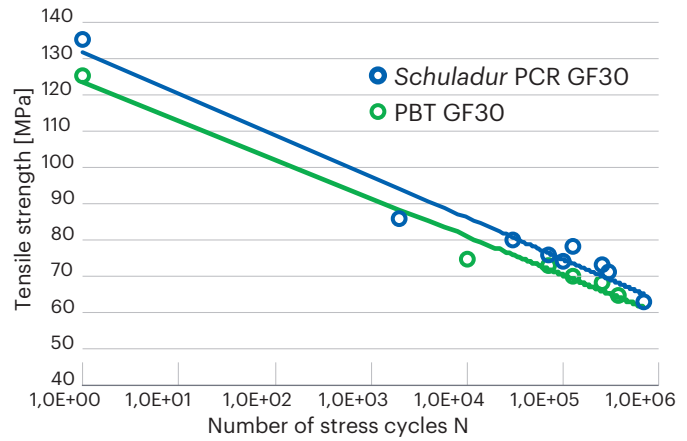
Properties	Units	Standards	Schuladur PCR				
			GF 15	GF 20	GF 20 HI	GF 30	GF 45
MFR, 260°C / 2,16 kg	g/cm ³	DIN EN ISO 1133	18	24	12	20	11
Tensile Modulus	MPa	ISO 527-2	6.700	8.100	6.200	11.000	15.500
Tensile Stress	MPa	ISO 527-2	110	125	100	140	160
Tensile Strain	%	ISO 527-2	2,4	2,5	3,5	2,1	1,7
Charpy Notched 23°C	KJ/m ²	ISO 179/eA	5	6	11	8	8
Charpy Notched -30°C	kJ/m ²	ISO 179/eA		5	7	8	
Charpy Unnotched 23°C	kJ/m ²	ISO 179/eU	25	30	60	55	50
Charpy Unnotched -30°C	kJ/m ²	ISO 179/eU		28	60	50	
HDT @ 1,8 MPa	°C	ISO 75	186	200	190	205	208
Flammability		UL 94, 1,6 mm	HB	HB	HB	HB	HB
GWFI 1,50 mm	°C	DIN EN 60695-2-12			-	700	700
GWFI 3,00 mm	°C	DIN EN 60695-2-12			-	800	800
GWIT 1,50 mm	°C	DIN EN 60695-2-13			725	725	725
GWIT 3,00 mm	°C	DIN EN 60695-2-13			800	825	825

Note: Typical properties, not to be considered as specifications

Shrinkage behavior in comparison with standard PBT



Fatigue Resistance of Schuladur PCR



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 on LinkedIn.

Before using a LyondellBasell product, customers and other users should make their own independent determination that the product is suitable for the intended use. They should also ensure that they can use the LyondellBasell product safely and legally. This document does not constitute a warranty, express or implied, including a warranty of merchantability or fitness for a particular purpose. In addition, no immunity under LyondellBasell's or third parties' intellectual property rights shall be implied from this document. No one is authorized to make any warranties, issue any immunities or assume any liabilities on behalf of LyondellBasell except in a writing signed by an authorized LyondellBasell employee. Unless otherwise agreed in writing, the exclusive remedy for all claims is replacement of the product or refund of the purchase price at LyondellBasell's option, and in no event shall LyondellBasell be liable for special, consequential, incidental, punitive or exemplary damages.

Schuladur is a trademark owned or used by the LyondellBasell group companies and is registered in the U.S. Patent and Trademark Office.