Product selection guide

LyondellBasell

Schulamid compounds

A broad polyamide portfolio formulated for your unique needs - Europe

Schulamid compounds - Europe

The LYB *Schulamid* line of polyamide-based compounds represents a strong component of our Engineered Polymers portfolio, offering versatile solutions for demanding applications. This guide highlights key grades to showcase our capabilities, with additional grades available commercially or through custom development. *Schulamid* grades feature full colorability and offer laser marketing capabilities with optional laser transparency for welding. Many grades also meet stringent automotive low emission standards.

Grade Name	Product Description & Special Attributes	Circular Solutions	Specific Gravity (g/cm3)	Tensile Modulus (MPa) dry	Tensile Modulus (MPa) cond.	Tensile Strength (MPa) dry	Tensile Strength (MPa) cond	Notched Charpy (kJ/m2) dry	Notched Charpy (kJ/m2) cond	HDT (°C) 1.80 MPa
Unfilled Polyamide 6										
Schulamid 6 MV 13	Medium viscosity PA6.		1.13	2900	1100	80	45	7	50	60
*Circulen*Recover EP PA6 MV14 U	Medium viscosity PA6 with 75% PIR	●	1.13	3500	1400	90	50	5	32	82
Schulamid 6 MV HI	Medium viscosity and high impact PA6		1.11	2200	800	60	35	16	60	60
*Circulen*Recover 330 PA6 MV HI	Medium viscosity, high impact PA6 with 30% PIR	●	1.11	2200	800	60	35	16	60	60
Schulamid 6 MV HI H5	High impact PA6 and heat stabilized		1.09	2200	670	62	33	40	no break	60
Schulamid 6 NV 12	Low viscosity PA6 with high flow		1.13	3000	1100	85	45	3,5	20	70
Reinforced Polyamide 6										
Schulamid 6 GB30 LS	30% GB filled PA6 with high dimension stability and UV stabilized		1.35	4100	2300	67	37	4	40	65
Schulamid 6 MT 30	30% Mineral filled PA6 with good surface appearance		1.36	6500	3300	73	45	4	8	100
Schulamid 6 GBF3010 H	30% Mineral and GF filled PA6 with high stiffness and dimensional stability		1.35	6000	3000	110	55	4	12	190
Schulamid 6 GF15 H	15% GF reinforced PA6 with good flow properties and heat stabilized		1.23	5800	3000	120	70	7	15	200
Schulamid 6 GF15 HI	15% GF reinforced PA6 and impact modified		1.2	5000	2600	100	60	16	24	190
Schulamid 6 GF25 H	25% GF reinforced PA6 with good flow properties and heat stabilized		1.32	8500	4800	152	90	10	18	200
Schulamid 6 GF30 H	30% GF reinforced PA6 with good flow properties and heat stabilized		1.36	9500	5000	165	100	14	30	200
*Circulen*Recover 445 PA6 GF30 H	30% GF reinforced PA6 with 45% PCR and heat stabilized	●	1.36	9500	5000	160	100	10	15	195
*Circulen*Recover PA6 GF30 H U	30% GF reinforced PA6 with 54% PIR. Heat and UV stabilized	●	1.37	9500	5000	165	100	12	20	200
Schulamid 6 GF30 HI K1704	30% GF reinforced PA6 and impact modified		1.28	8000	4500	125	80	24	40	200
Schulamid RD6 GF30	30% GF, low density grade with improved carbon footprint	●	1.25	8700	6700	130	95	15	17	190
Schulamid 6 GF35 H	35% GF reinforced PA6 with good flow properties and heat stabilized		1.41	11000	7000	180	110	15	32	205
Schulamid 6 GF50 H	50% GF reinforced PA6 with good flow properties and heat stabilized		1.55	16000	9500	210	130	15	24	210
*Circulen*Recover 435 PA6 GF50 H	50% GF reinforced PA6 with 35% PCR and heat stabilized	●	1.55	16000	9500	190	110	13	20	205
Schulamid 6 GF65 H	65% GF reinforced PA6, highest stiffness and strength and heat stabilized		1.77	25000	14200	235	150	14	20	215
Unfilled Polyamide 66										
Schulamid 66 MV3	Medium viscosity PA66		1.14	3000	1500	90	70	9	13	90
Schulamid 66 MV HI H	Medium viscosity PA66, high impact and heat stabilized		1.08	2100	750	55	40	65	95	62
*Circulen*Recover 325 PA66 MV HI	Medium viscosity PA66, high impact with 25% PIR	●	1.07	2500	1000	65	40	20	75	51
Schulamid 66 SK1000	PA66 with very high impact resistance and toughness		1.07	1800	600	50	30	75	120	60

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Reinforced Polyamide 66										
Schulamid 66 GB30 H	30% GB reinforced PA66, heat stabilized		1.35	4500	2500	85	65	4	30	75
*Circulen*Recover 336 PA66 GB30 H	30% GB reinforced PA66 with 36% PIR and heat stabilized	●	1.35	4500	2500	85	65	4	30	75
Schulamid 66 MKF4015	40% Mineral and GF reinforced PA66 and heat stabilized		1.44	8300	5000	120	80	4	5	210
Schulamid 66 GF15 HI	15% GF reinforced PA66 and impact modified		1.2	5400	3200	95	65	10	15	238
Schulamid 66 GF20 H	20% GF reinforced PA66 and heat stabilized		1.27	6900	4000	120	70	8	13	241
Schulamid 66 GF25 H	25% GF reinforced PA66 and heat stabilized		1.32	8600	5500	160	105	9	14	242
Schulamid 66 GF30 H	30% GF reinforced PA66 and heat stabilized		1.36	10000	6200	175	110	10	18	245
*Circulen*Recover 325 PA66 GF30 H	30% GF reinforced PA66 with 25% PIR and heat stabilized	●	1.36	10000	6200	175	110	10	18	245
*Circulen*Recover EP PA66 GF30 H	30% GF reinforced PA66 with 65% PIR and heat stabilized	●	1.36	9500	6000	155	90	6	11	230
Schulamid 66 GF30 HI H	30% GF reinforced PA66, impact modified and heat stabilized		1.32	8200	4500	155	75	19	94	246
Schulamid 66 GF33 FC NAT	33% GF reinforced PA66 with EU food contact approval		1.39	11000	8000	170	125	9	12	239
Schulamid 66 GF35 H	35% GF reinforced PA66 and heat stabilized		1.41	10000	8000	200	130	14	30	240
Schulamid 66 GF50 H	50% GF reinforced PA66 and heat stabilized		1.57	16500	13000	235	180	14	18	>250
*Circulen*Recover PA66 GF50 H	50% GF reinforced PA66 with 25% PIR and heat stabilized	●	1.57	16500	12000	235	160	14	18	245
Specialty grades										
Schulamid 66 CF20 H	20% carbon fiber reinforced PA66 and heat stabilized		1.22	16600	10100	220	150	7	12	250
Schulamid 66 GRF2318 H	23% GF & graphite reinforced PA66, friction and wear modified and heat stabilized		1.3	7500	4800	140	85	7	8	>250
Schulamid 612 GF50 H	50% GF reinforced PA612, heat stabilized and high chemical resistance		1.54	16500	12000	200	145	13	16	205
Schulamid PPA GF33	33% GF reinforced PPA, high stiffness and strength at elevated temperatures, and high chemical resistence		1.46	13700	12000	195	162	10	10	285
Schulamid XT200 GF30	30% GF reinforced PA66, high and long term heat stabilized and electrically neutral		1.38	10000	5300	190	110	10	20	202

Abbreviations:

PIR: Post-industrial / pre-consumer mechanically recycled content

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 on LinkedIn.

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