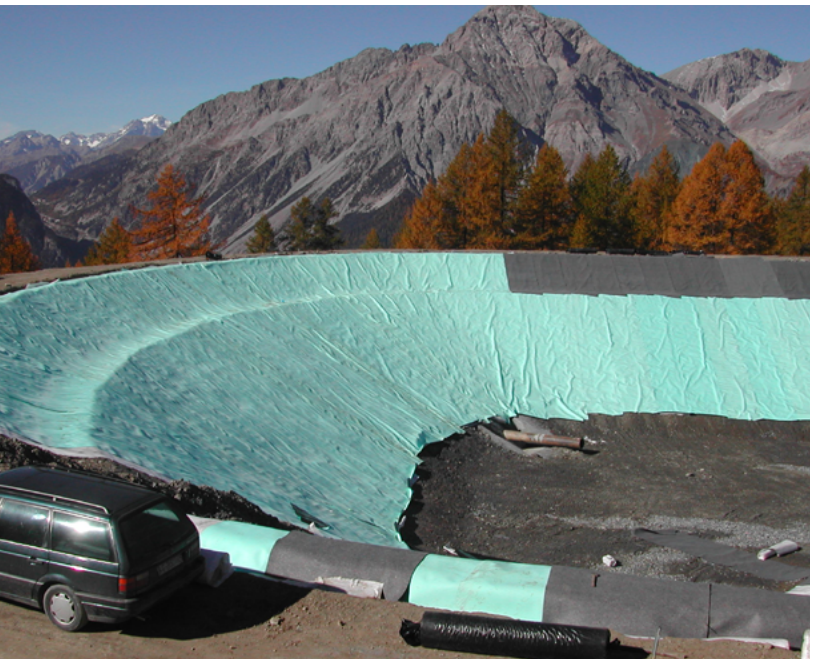

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cataloy
MAXIMIZED RESINS

Cataloy Process Resins

Key Properties and Applications

Catalloy Process Resins

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Properties	Physical		Mechanical									
							Charpy Notched Impact Strength					
Grade Name	Melt Flow Rate (2.16 kg, 230°C) (g/10min) ISO 1133	Flexural Modulus (MPa) ISO 178	Tensile Stress at Break (MPa) ISO 527	Shore D Hardness (15 seconds) ISO 868	HDT (°C) (0.45 Mpa) ISO 75	VICAT (A50,°C) ISO 306	(23°C) (kJ/m2) ISO 179	(-20°C) (kJ/m2) ISO 179	(-40°C) (kJ/m2) ISO 179	Typical Conversion Processes	Typical Customer Applications	Notes
Adflex												
Q108F	0.60	100	10	30	40	60	41	107	2.8	Compounding	Automotive	Flexibility and softness
Q100F	0.60	100	10	30	40	60	NB	110	5	Blown film, calendaring	Flexible packaging	High impact, elastic recovery
Q401F	0.65	480	21	49	57	108	86	3.2	2.2	Blown film	Flexible packaging	Stiffness and impact balance
Q402F	0.65	480	21	49	57	108	86	3.2	2.2	Blown film	Flexible packaging	Stiffness and impact balance
Q200F	0.80	150	13	49	44	76	60	87	2.1	Blown film, sheet extrusion	Flexible packaging	High impact
KS021P	0.90	350	10	38	52	67	70	98	3.2	Blown film, sheet extrusion, compounding, blow molding	Automotive, flexible packaging, industrial blow molding	Soft touch, matte finish
Q302B	0.90	350	10	38	52	67	70	98	3.2	Blow molding	Tubes, bottles	Soft touch, matte finish
X101H	8	100	10	30	36	55	NB	NB	1.5	Cast film, compounding	Flexible packaging, bitumen modification	Flexibility and impact
X500F	7.5	550	22	46	58	94	65	45	5	Cast film, compounding, injection molding	Flexible packaging	Clarity impact modifier
KS311P	9.5	530	15	46	53	112	59	4.1	1.4	Cast film, compounding, injection molding	Roofing membrane, automotive	Soft touch, matte finish
V109F	12	80	8	30	35	55	35	5	1.4	Cast film, compounding, injection molding	Flexible packaging	Flexibility and impact
Z108S	27	80	6	30	37	53	33	2.8	1.3	Cast film, extrusion coating, fibers, injection molding	Flexible packaging	Flexibility and impact
KS084P	30	100	13	35	40	53	47	2.8	1.2	Cast film, extrusion coating, injection molding	Flexible packaging	Flexibility and impact
Hifax												
CA10A	0.60	90	11	30	40	60	NB	110	5	Sheet extrusion, compounding, calendaring	Roofing membrane, geomembrane, automotive	Flexibility and softness
X1956A	0.9	800	30	65	70	145	95	10	5	Compounding	Automotive	Anti-tiger stripe additive
CA138A	2.8	500	10	41	58	90	70	100	50	Compounding	Automotive	Low temp. Impact modifier
CA207A	7.5	550	22	46	58	94	65	45	5	Compounding, injection molding	Automotive	Low shrinkage
CA7442A	10	1000	17	54	86	121	50	10	4.5	Compounding, injection molding	Automotive	Low shrinkage
CA387A	18.5	1000	13	52	80	120	60	8.7	2.6	Compounding, injection molding	Automotive	Stiffness and low temp impact balance
7430XEP	18.5	1200	14	55	90	131	14	6.7	2.8	Compounding, injection molding	Automotive	Stiffness and low temp impact balance

Catalloy Process Resins

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							Charpy Notched Impact Strength					
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Softell												
CA02A	0.60	30	10	23	38	41	NB	NB	9	Sheet extrusion, compounding, calendaring	Automotive, roofing membrane	Flexibility and softness
Hiflex												
CA7600A	2.0	180	11	26	45	58	NB	NB	110	Compounding, injection molding	Automotive	Impact modifier

Grade Name	Melt Flow Rate (2.16 kg, 230°C) (g/10min) ISO 1133	Flexural Modulus (MPa) ISO 178	SIT (°C) Internal Method	Tm (°C) Internal Method	HDT (°C) (0.45 Mpa) ISO 75	VICAT (A50,°C) ISO 306	Haze (50 µm) ASTM D1003	Gloss (45°, 50 µm) ASTM D2457	Typical Conversion Processes	Typical Customer Applications	Notes
Adsyl											
6C30F	5.5	500	95	128	59	103	0.2	92	BOPP, Cast film	Flexible packaging	Sealing resin
5C30F	5.5	600	105	132	62	107	0.6	88	BOPP, Cast film	Flexible packaging	Sealing resin
5C37F	5.5	600	105	132	62	107	1.0	87	BOPP, Cast film	Flexible packaging	Sealing resin
7416XCP	7.5	600	115	133	65	115	0.5	90	BOPP, Cast film	Flexible packaging	Sealing and bonding layer resin

NB = No Break

Users should review the applicable Safety Data Sheet before handling the product. Technical Data Sheets (TDSs) and Safety Data Sheets (SDSs) are available at www.lyb.com.
For regulatory compliance information, see the applicable product's Product Stewardship Bulletin (PSB).

ABOUT US

LyondellBasell (NYSE: LYB) is one of the largest plastics, chemicals and refining companies in the world. Driven by its employees around the globe, LyondellBasell produces materials and products that are key to advancing solutions to modern challenges like enhancing food safety through lightweight and flexible packaging, protecting the purity of water supplies through stronger and more versatile pipes, improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road, and ensuring the safe and effective functionality in electronics and appliances. LyondellBasell sells products into more than 100 countries and is the world's largest producer of polymer compounds and the largest licensor of polyolefin technologies.

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