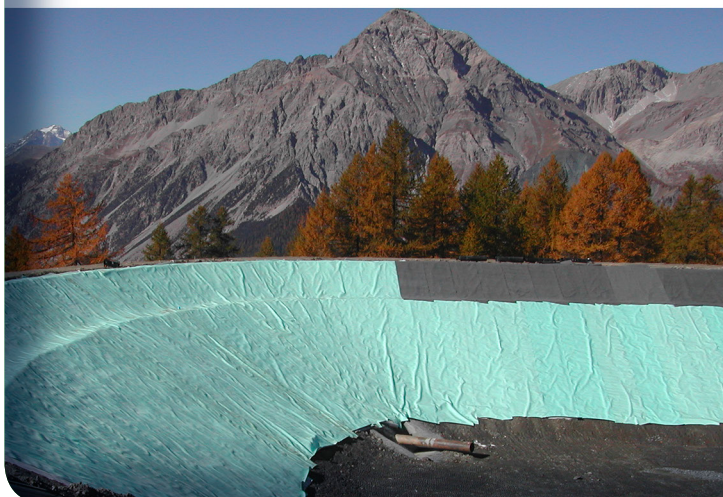


Catalloy Process Resins

Key Properties and Applications



Catalloy Process Resins



Properties		Physical		Mechanical					Charpy Notched Impact Strength			Typical Conversion Process(s)	Typical Customer Application	Notes	
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 (15seconds) 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			
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/Impact Balance		
Q402F	0.65	480	21	49	57	108	86	3.2	2.2	Blown Film		Flexible Packaging	Stiffness/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/Low Temp Impact Balance		
7430XEP	18.5	1200	14	55	90	131	14	6.7	2.8	Compounding, Injection Molding		Automotive	Stiffness/Low Temp Impact Balance		

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Catalloy Process Resins



Properties		Physical	Mechanical				Typical Conversion Process(s)				Typical Customer Application	Notes
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							(23°C) (kJ/m2) ISO 179	(-20°C) (kJ/m2) ISO 179	(-40°C) (kJ/m2) ISO 179			
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

About LyondellBasell

As one of the world's premier plastics, chemicals and refining companies, LyondellBasell produces materials that are essential to shaping what comes next – in electronics, food packaging, construction materials, automotive components, motor fuels, textiles, medical supplies and more. The Company's Amazing Chemistry is applied at 57 manufacturing sites located across five continents. This manufacturing network has enabled the Company to be a pacesetter in the Global Fortune 500 and to earn a listing in the S&P 500.

LyondellBasell markets this product through the following entities:

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