

Catalloy Process Resins

Key Properties and Applications



Catalloy Process Resins

Properties	Physical		Mechanical							Typical Conversion Processes	Typical Customer Applications	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 (15 seconds) ISO 868	HDT (°C) (0.45 Mpa) ISO 75	VICAT (A50, °C) ISO 306	Charpy Notched Impact Strength					
								(23°C) (kJ/m2) ISO 179	(-20°C) (kJ/m2) ISO 179				(-40°C) (kJ/m2) ISO 179
Adflex													
Q109F	0.60	100.0	10.0	30.0	40.0	60.0	41.0	107	2.8	Blown film, compounding	Automotive, flexible packaging	Color stability, flexibility and softness, elastic recovery	
Q100F	0.60	100.0	10.0	30.0	40.0	60.0	NB	110	5.0	Blown film, calendaring	Flexible packaging	High impact, elastic recovery	
Q401F	0.65	480.0	21.0	49.0	57.0	108.0	86.0	3.2	2.2	Blown film	Flexible packaging	Stiffness and impact balance	
Q402F	0.65	480.0	21.0	49.0	57.0	108.0	86.0	3.2	2.2	Blown film	Flexible packaging	Stiffness and impact balance	
Q200F	0.80	150.0	13.0	49.0	44.0	76.0	60.0	87.0	2.1	Blown film, sheet extrusion	Flexible packaging	High impact	
KS021P	0.90	350.0	10.0	38.0	52.0	67.0	70.0	98.0	3.2	Blown film, sheet extrusion, compounding, blow molding	Automotive, flexible packaging, industrial blow molding	Soft touch, matte finish	
Q302B	0.90	350.0	10.0	38.0	52.0	67.0	70.0	98.0	3.2	Blow molding, sheet extrusion	Automotive, tubes, bottles	Soft touch, matte finish, color stability	
X101H	8.0	100.0	10.0	30.0	36.0	55.0	NB	NB	1.5	Cast film, compounding	Flexible packaging, bitumen modification	Flexibility and impact	
X501F	7.5	550.0	22.0	46.0	58.0	94.0	65.0	45.0	5.0	Cast film, compounding, injection molding	Flexible packaging	Clarity impact modifier	
KS311P	9.5	530.0	15.0	46.0	53.0	112.0	59.0	4.1	1.4	Cast film, compounding, injection molding	Roofing membrane, automotive	Soft touch, matte finish	
V109F	12.0	80.0	8.0	30.0	35.0	55.0	35.0	5.0	1.4	Cast film, compounding, injection molding	Flexible packaging	Flexibility and impact	
Z108S	27.0	80.0	6.0	30.0	37.0	53.0	33.0	2.8	1.3	Cast film, extrusion coating, fibers, injection molding	Flexible packaging	Flexibility and impact	
KS084P	30.0	100.0	13.0	35.0	40.0	53.0	47.0	2.8	1.2	Cast film, extrusion coating, fibers, injection molding	Flexible packaging	Flexibility and impact	
Hifax													
CA10A	0.60	90.0	11.0	30.0	40.0	60.0	NB	110.0	5.0	Sheet extrusion, compounding, calendaring	Roofing membrane, geomembrane, automotive	Flexibility and softness	
X1956A	0.9	800.0	30.0	65.0	70.0	145.0	95.0	10.0	5.0	Compounding	Automotive	Anti-tiger stripe additive	
CA138A	2.8	500.0	10.0	41.0	58.0	90.0	70.0	100.0	50.0	Compounding	Automotive	Low temp. Impact modifier	
CA207A	7.5	550.0	22.0	46.0	58.0	94.0	65.0	45.0	5.0	Compounding, injection molding	Automotive	Low shrinkage	
CA7442A	10.0	1000.0	17.0	54.0	86.0	121.0	50.0	10.0	4.5	Compounding, injection molding	Automotive	Low shrinkage	
CA387A	18.5	1000.0	13.0	52.0	80.0	120.0	60.0	8.7	2.6	Compounding, injection molding	Automotive	Stiffness and low temp impact balance	
7430XEP	18.5	1200.0	14.0	55.0	90.0	131.0	14.0	6.7	2.8	Compounding, injection molding	Automotive	Stiffness and low temp impact balance	

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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	Shore A Hardness	HDT (°C) (0.45 Mpa) ISO 75	VICAT (A50, °C) ISO 306	Charpy Notched Impact Strength					
								(23°C) (kJ/m2) ISO 179	(-20°C) (kJ/m2) ISO 179				(-40°C) (kJ/m2) ISO 179
Softell													
CA02A	0.60	30.0	10.0	23.0	75.0	38.0	41.00	NB	NB	9.0	Sheet extrusion, compounding, calendaring	Automotive, roofing membrane	Flexibility and softness
CA7469A	0.50	130.0	7.0	87.0	87.0	39.0	50.0	NB	NB	80.0	Sheet extrusion, compounding, calendaring	Automotive	Flexibility, softness, low gloss
Hiflex													
CA7700A	2.0	180.0	11.0	26.0		45.0	58.0	NB	NB	110.0	Compounding, injection molding	Automotive	Impact modifier

Grade Name	Melt Flow Rate (2.16 kg, 230°C)	Flexural Modulus (MPa)	SIT (°C) Internal Method	Tm (°C) Internal Method	HDT (°C) (0.45 Mpa) ISO 75	VICAT (A50, °C) ISO 306	Haze (50 m) ASTM	Gloss (45°, 50 m)	Typical Conversion Processes	Typical Customer Applications	Notes
Adsyl											
6C30F	5.5	500.0	95.0	128.0	59.0	103.0	0.2	92.0	BOPP, Cast film	Flexible packaging	Sealing resin
5C30F	5.5	600.0	105.0	132.0	62.0	107.0	0.6	88.0	BOPP, Cast film	Flexible packaging	Sealing resin
5C37F	5.5	600.0	105.0	132.0	62.0	107.0	1.0	87.0	BOPP, Cast film	Flexible packaging	Sealing resin
7416XCP	7.5	600.0	115.0	133.0	65.0	115.0	0.5	90.0	BOPP, Cast film	Flexible packaging	Sealing resin

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