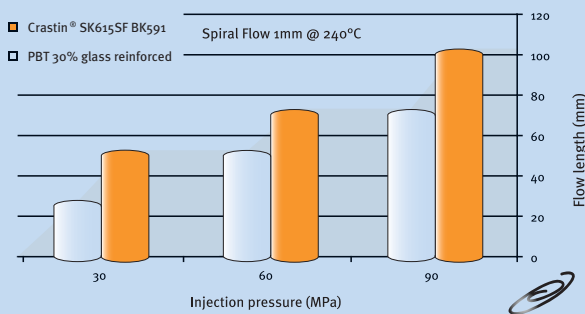


DuPont™ Crastin® SF

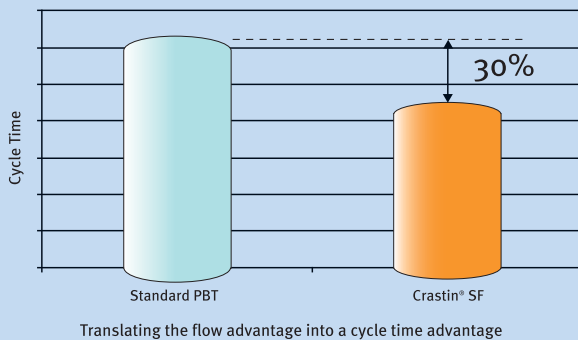
NEW RESIN PROFILE

Crastin® SF : Translating flow advantage into cost savings

Crastin® SF - 30% more flow!



Crastin® SF - 30% less cycle time



WHAT TO MAKE OF IT

- Connector: Thin, complex, small parts running in high productivity tools
- Automotive electronic components, such as sensors
- Coil formers and solenoids
- Structurally-complex parts for furniture
- Motor housings

CRASTIN® SF – A NEW PBT FAMILY FOR SUPER FAST (SF) INJECTION MOLDING

New Crastin® SF PBT products use a technology to enhance flow of the resin to extremely high levels:

- Crastin® SF dramatically reduces manufacturing costs
- improving productivity by up to 30%
- reducing machine size thanks to lower filling pressure
- reducing part thickness under standard filling conditions
- lower energy consumption
- wider processing window
- lower reject rate
- improved flow to fill moulds for thinner or more complex parts than standard PBT grades
- Crastin® SF offers excellent property retention: stress, strain and impact, thermal stability and more
- Crastin® SF is a direct drop-in replacement for standard PBT grades

AVAILABLE IN 3 GRADES, A NON-REINFORCED AND TWO REINFORCED RESINS WITH 15% AND 30% GLASS.

PBT Unreinforced

Crastin® S610SF NC010,
Crastin® S610SF BK591

PBT - 15% Glass Reinforced

Crastin® SK612SF NC010,
Crastin® SK612SF BK591

PBT - 30% Glass Reinforced

Crastin® SK615SF NC010,
Crastin® SK615SF BK591



The miracles of science™

PROPERTY COMPARISON

Property	Test Method	Units	Crastin®		Crastin®	
			SK612SF	SK602	SK615SF	SK605
Mechanical						
Stress at break	ISO 527-1/-2	MPa	106	109	145	140
Strain at break	ISO 527-1/-2	%	3,2	3,5	2,5	2,7
Tensile Modulus	ISO 527-1/-2	MPa	5800	5800	9900	10000
Notched Charpy	ISO 179/1eA	kJ/m ²	6	7	9	10
Thermal						
Temperature of deflection under load 1.8MPa	ISO 75/AF	°C	200	200	205	205
Other						
Density	ISO 1183	kg/m ³	1410	1410	1530	1530
Moulding shrinkage	ISO 294-4	%				
Normal, 2.0mm			1,1	1,1	1,1	1,1
Parallel, 2.0mm			0,4	0,4	0,4	0,3

Property	Test Method	Units	Crastin®	Crastin®
			S610SF	S600F20
Mechanical				
Tensile Modulus	ISO 527-1/-2	MPa	2500	2500
Stress at yield	ISO 527-1/-2	MPa	56	58
Strain at yield	ISO 527-1/-2	%	5	5
Notched Charpy	ISO 179/1eA	kJ/m ²	4	5
Thermal				
Melting Temperature	ISO 11357	°C	225	225
Temperature of deflection under load 1.8 MPa	ISO 75/AF		50	50
Other				
Density	ISO 1183	kg/m ³	1310	1310
Moulding shrinkage	ISO 294-4	%		
Normal, 2.0mm			1,6	1,6
Parallel, 2.0mm			1,7	1,7

WE CAN HELP

From concept to commercialisation, DuPont can help you develop reliable, cost-saving components in Crastin® or any of our nine families of engineering polymers. Please contact the nearest DuPont representative for your country.

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