Nylene® PX3422

Polyamide 6

Custom Resins Group

Message:

Heat stabilized, high impact modified nylon resin designed for maximum toughness with minimum sacrifice in tensile strength and melting point Offers outstanding elongation and good retention of that elongation after 5 days of heat aging at 177°C (95% elongation) Optimum processing conditions should provide a melt temperature of 490 - 530°F at the die Suitable for processing in either extrusion or injection molding applications

General Information			
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Good Heat Aging Resistance		
	Good Toughness		
	Heat Stabilized		
	Impact Modified		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	44.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	310	%	ASTM D638
Flexural Modulus (23°C)	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	1100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8			
MPa, Unannealed)	42.0	°C	ASTM D648
Peak Melting Temperature	214	°C	ASTM D3418
Injection	Nominal Value	Unit	
Processing (Melt) Temp	254 to 277	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	254 to 277	°C	

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