

Nylene® 2407 HSSP

Polyamide 6
Custom Resins Group

Message:

High viscosity nylon copolymer with high impact resistance and superior flexibility
Optimized with good melt strength for high line speeds in thin wall sections, and is available in natural and black
2407 HSSP is one of a family of grades specifically designed for the convoluted tubing industry, but can also be used for other extrusions and some molded parts

General Information			
Features	Copolymer		
	Good Flexibility		
	Good Melt Strength		
	High Impact Resistance		
	High Viscosity		
Uses	Tubing		
Appearance	Black		
	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	1.7	g/10 min	ASTM D1238
Mold Shrinkage	1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	45.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	250	%	ASTM D638
Flexural Modulus (23°C)	595	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	540	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	162	°C	
1.8 MPa, Unannealed	27.0	°C	
Peak Melting Temperature	218	°C	ASTM D3418

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