



No Minimum Order Quantity  
No Lead Times to Ship

## COPEnhance™ 4021 BK

COPEnhance™ 4021 BK Copolyester based, medium modulus, 43D, high viscosity, lubricated compound, designed for blow molding applications.

Physical Properties	Metric	English	Comments (Standards/Test Method?)
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Water Absorption,	0.6 % @ Temperature 23.0 °C, Time 86,400 sec	0.6 % Temperature 73.4 °C, Time 24.0 hours	ASTM D570
Max Moisture Content			
- Injection Molding	0.1	0.1	
- Extrusion Molding	0.1	0.1	
<b>Mechanical Properties</b>			
Hardness, Shore D	43	43	ASTM D2240
Tensile Strength at Break	33.5 MPa	4,900 PSI	ASTM D638
Elongation at Break	600+%	600+%	ASTM D638
Flexural Modulus	79 MPa	11.5 kpsi	ASTM D790
Izod Impact, Notched	NB (23C <sup>0</sup> )	NB (23C <sup>0</sup> )	ASTM D256
	NB (-40C <sup>0</sup> )	NB (-40C <sup>0</sup> )	
<b>Electrical Properties</b>			
Volume Resistivity	1.00x10 <sup>13</sup> Om-cm	1.00x10 <sup>13</sup> Om-cm	ASTM D257
Dielectric Strength	26.0 kV/mm @ Thickness 1.00mm	660 kV/in @ Thickness 0.0394 in	ASTM D149

Processing Properties			
Rear Barrel Temperature	200-220°C	392-428°F	Extrusion Molding
Middle Barrel Temperature	210-230°C	410-446°F	Extrusion Molding
Front Barrel Temperature	210-230°C	410-446°F	Extrusion Molding
Adapter Temperature	210-230°C	410-446°F	Extrusion Molding
Die Temperature	200-220°C	401°F	Extrusion Molding



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Dring Temperature	80-90 <sup>0</sup> C	140-176 <sup>0</sup> F	Extrusion Molding
Melt Temperature	200-240 <sup>0</sup> C	392-464 <sup>0</sup> F	Extrusion Molding
Dry Time	3.00-4.00 hrs	3.00-4.00 hrs	Extrusion Molding
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