

Technical Data Sheet

**Polyfort HIPS 730F/R A BLACK 2-0010**



Polystyrene, High Impact

**Product Description**

*Polyfort* HIPS 730F/R A BLACK 2-0010 is a Polystyrene, High Impact material and is typically used in Extrusion applications. Features include: Good Impact Resistance.

<b>Processing Method</b>	Extrusion
<b>Attribute</b>	Good Impact Resistance
<b>Forms</b>	Pellets

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (200 °C/5.0 kg)	3.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield	20.7	MPa	ASTM D638
Flexural Modulus	1650	MPa	ASTM D790
Tensile Elongation at Break	50	%	ASTM D638
Flexural Strength	29	MPa	ASTM D790
<b>Impact</b>			
Notched Izod Impact	120	J/m	ASTM D256
<b>Thermal</b>			
Vicat Softening Temperature	100	°C	ASTM D1525
Deflection Temperature Under Load Unannealed (264 psi)	85	°C	ASTM D648