

## Technical Data Sheet

**Percom MCS12 BLACK 2-0909**

Polypropylene Copolymer

**Product Description**

Percom MCS12 BLACK 2-0909 is a Polypropylene Copolymer material and is typically used in Injection Molding applications. Features include: Copolymer.

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Copolymer
<b>Appearance</b>	Translucent
<b>Application</b>	Sanitary Products

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ISO 1133
Density	0.91	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield	24	MPa	ISO 527-2
Tensile Strain at Break	50	%	ISO 527-2
Flexural Modulus	1180	MPa	ISO 178
Tensile Stress at Break	20	MPa	ISO 527-2
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C, Type 1, Notch A)	6.0	kJ/m <sup>2</sup>	ISO 180
<b>Hardness</b>			
Shore Hardness, (Shore D)	57		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature, (A (10N), 50 °C/h)	130	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	80	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	43	°C	ISO 75-2/A
<b>Flammable</b>			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
<b>UL Information</b>			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C