

## Technical Data Sheet

**Polyflam RABS 90000 UV5 RED 7-1042**

Acrylonitrile Butadiene Styrene

**Product Description**

ABS Flame Retardant

**Processing Method** Injection Molding**Additive** Flame Retardant**Resin ID** ABS FR17

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Density, (Method A)	1.20	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield, (Type 1A, 23 °C, 50 mm/min)	42.0	MPa	ISO 527-2
Tensile Strain at Break, (Type 1A, 23 °C, 50 mm/min)	3.0	%	ISO 527-2
Tensile Modulus, (23 °C, 1 mm/min, Type 1A)	2200	MPa	ISO 527-1
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	10	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Vicat Softening Temperature, (A (10N), 50 °C/h)	105	°C	ISO 306
Deflection Temperature Under Load Unannealed (1.80 MPa), (Edgewise)	80.0	°C	ISO 75-2/A