

Technical Data Sheet

Polyflam RABS 90000 UV5 GRY61495

Acrylonitrile Butadiene Styrene

Product Description

ABS Flame Retardant

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.20	g/cm ³	ISO 1183
Mechanical			
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
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	10	kJ/m ²	ISO 179
Thermal			
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