

Technical Data Sheet

Polyflam RABS 90000 UV5 GRY 67890



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