



Polyflam RABS 90000 UV5 RED 7-1042

LyondellBasell Industries - Acrylonitrile Butadiene Styrene

General Information

Product Description

ABS Flame Retardant

General

| | |
|-------------------|---------------------|
| Additive | • Flame Retardant |
| Features | • Flame Retardant |
| Processing Method | • Injection Molding |
| Resin ID | • ABS FR17 |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-----------------------|-----------------|
| Density | 1.20 | g/cm ³ | ISO 1183/A |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (73°F) | 319000 | psi | ISO 527-1/1A/1 |
| Tensile Stress (Yield, 73°F) | 6090 | psi | ISO 527-2/1A/50 |
| Tensile Strain (Break, 73°F) | 3.0 | % | ISO 527-2/1A/50 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 4.8 | ft·lb/in ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load 264 psi, Unannealed | 176 | °F | ISO 75-2/Ae |
| Vicat Softening Temperature | 221 | °F | ISO 306/A50 |