

Technical Data Sheet

Ronfalin ASA 3332 U JP NAT

Acrylonitrile Styrene Acrylate

Product Description

Acrylonitrile Styrene Acrylate for injection moulding with excellent light fastness and UV stability

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (220 °C/10.0 kg)	10	cm ³ /10 min	ISO 1133
Density, (Method A)	1.04	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	47.0	MPa	ISO 527-2
Tensile Strain at Break, (Type 1A, 50 mm/min)	13	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2250	MPa	ISO 527-1
Flexural Stress	60	MPa	ISO 178
Impact			
Notched Izod Impact Strength	15	kJ/m ²	ISO 180
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	96.0	°C	ISO 306
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
UL Information			
Flammability Classification, (3.2 mm)	HB		IEC 60695-11-10, -20

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	240 to 270	°C
Mold Temperature	40 to 80	°C