



Polyfast® SA026

Ravago Manufacturing Europe - Acrylonitrile Styrene Acrylate

General Information

Product Description

ASA 6% glass fiber filled

General

Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 6.0% Filler by Weight

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.09	g/cm ³	ASTM D792
Density	1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (220°C/10.0 kg)	5.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.0	MPa	ASTM D638
Tensile Stress (Yield)	55.0	MPa	ISO 527-2
Tensile Strength (Break)	50.0	MPa	ASTM D638
Tensile Stress (Break)	50.0	MPa	ISO 527-2
Tensile Elongation (Break)	6.0	%	ASTM D638
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	3200	MPa	ASTM D790
Flexural Modulus	3200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	90.0	°C	
Deflection Temperature Under Load (1.8 MPa, Annealed)	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	104	°C	ASTM D1525 ²
Vicat Softening Temperature	104	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.6 mm		HB	
3.2 mm		HB	
Glow Wire Flammability Index (2.0 mm)	650	°C	IEC 60695-2-12

Notes

¹ Typical properties: these are not to be construed as specifications.

² Rate A (50°C/h), Loading 2 (50 N)