

Hyril® GP355AS

Styrene Acrylonitrile

Entec Polymers

Message:

Hyril®GP355AS is a styrene propylene (SAN) material. This product is available in North America and is processed by extrusion. Hyril®The main characteristics of the GP355AS are: copolymer.

Hyril®The typical application fields of GP355AS are: automobile industry

General Information			
Features	Copolymer		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	125		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	71.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.5	%	ASTM D638
Flexural Modulus (23°C)	3870	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	123	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	96.7	°C	ASTM D648
1.8 MPa, not annealed	85.6	°C	ASTM D648
Vicat Softening Temperature	108	°C	ASTM D1525 ¹
CLTE - Flow	5.9E-5	cm/cm/°C	ASTM D696
Optical	Nominal Value	Unit	Test Method
Transmittance	89.0	%	ASTM D1003
Haze	0.60	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Drying Temperature	71.1 - 82.2	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.60	%	
Cylinder Zone 1 Temp.	162 - 191	°C	
Cylinder Zone 3 Temp.	204 - 232	°C	
Die Temperature	232 - 246	°C	

Take-Off Roll	10.0 - 87.8	°C
Extrusion instructions		
Feed Zone: Water Cooled		
NOTE		
1.	标准 B (120°C/h), 压力1 (10N)	

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