Styrolution LuranÂ® S KR 2859 ASA

Category : Polymer , Thermoplastic , ASA Polymer

Material Notes:

Description: Stiff extrusions product, versatile grade for profile and sheet extrusion as protective cap layer.Information provided by STYROLUTION, which is a joint venture between BASF and INEOS

Order this product through the following link:
http://www.lookpolymers.com/polymer_Styrolution-Luran-S-KR-2859-ASA.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/inÂ³	ISO 1183
Water Absorption	1.65 %	1.65 %	Equilibrium; ISO 62
	0.45 % @Time 86400 sec	0.45 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	0.35 %	0.35 %	23Â°C/50% RH; ISO 62
Melt Flow	12.84 g/10 min @Load 10.0 kg, Temperature 220 Â°C	12.84 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	50 mm/min; ISO 527-1/-2
Elongation at Break	7.0 %	7.0 %	Nominal, 50 mm/min; ISO 527-1/-2
Elongation at Yield	3.2 %	3.2 %	50 mm/min; ISO 527-1/-2
Tensile Modulus	2.50 GPa	363 ksi	ISO 527-1/-2
Charpy Impact Unnotched	8.00 J/cmÂ² @Temperature -30.0 Â°C	38.1 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eU
	16.0 J/cmÂ² @Temperature 23.0 Â°C	76.1 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	0.400 J/cmÂ² @Temperature -30.0 Â°C	1.90 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eA
	1.10 J/cmÂ² @Temperature 23.0 Â°C	5.23 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eA

Mechanical Properties	Metric	English	Comments
Tensile Creep Modulus, 1000 hours	1600 MPa @Strain <=0.500 %	232000 psi @Strain <=0.500 %	ISO 899-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.0 - 110 Âµm/m-Â°C @Temperature 23.0 - 80.0 Â°C	44.4 - 61.1 Âµin/in-Â°F @Temperature 73.4 - 176 Â°F	ISO 11359-1/-2
Thermal Conductivity	0.170 W/m-K	1.18 BTU-in/hr-ftÂ²-Â°F	DIN 52612-1
Maximum Service Temperature, Air	80.0 Â°C	176 Â°F	
Vicat Softening Point	98.0 Â°C	208 Â°F	VST/B/50; ISO 306

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 240 Â°C	392 - 464 Â°F	Extrusion, Pipes
	210 - 230 Â°C	410 - 446 Â°F	Blow Molding
	230 - 270 Â°C	446 - 518 Â°F	Extrusion, Plates
Mold Temperature	60.0 Â°C	140 Â°F	Blow molding
Drying Temperature	80.0 Â°C	176 Â°F	Pre-drying
Dry Time	2 - 4 hour	2 - 4 hour	Pre-drying

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	Europe	
Primary Processing Technique	Injection Molding	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842

Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China