

Styrolution Luran[®] S KR 2858 GS Colored 15% Glass Filled ASA

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), 15% Glass Reinforced

Material Notes:

Description: Glass-reinforced grade with high stiffness and heat distortion resistance. 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-2858-GS-Colored-15-Glass-Filled-ASA.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ISO 1183
Water Absorption	1.42 %	1.42 %	Equilibrium; ISO 62
Moisture Absorption at Equilibrium	0.30 %	0.30 %	23 [°] C/50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	
Melt Flow	5.9 g/10 min @Load 10.0 kg, Temperature 220 [°] C	5.9 g/10 min @Load 22.0 lb, Temperature 428 [°] F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	170 MPa @Load 36.5 kg, Time 30.0 sec	24700 psi @Load 80.5 lb, Time 0.00833 hour	ISO 2039-1
Tensile Strength at Break	110 MPa	16000 psi	ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	Nominal, 50 mm/min; ISO 527-1/-2
Tensile Modulus	6.60 GPa	957 ksi	ISO 527-1/-2
Charpy Impact Unnotched	1.70 J/cm ² @Temperature -30.0 [°] C	8.09 ft-lb/in ² @Temperature -22.0 [°] F	ISO 179/1eU
	2.80 J/cm ² @Temperature 23.0 [°] C	13.3 ft-lb/in ² @Temperature 73.4 [°] F	ISO 179/1eU
Charpy Impact, Notched	0.600 J/cm ² @Temperature -30.0 [°] C	2.86 ft-lb/in ² @Temperature -22.0 [°] F	ISO 179/1eA
	0.700 J/cm ² @Temperature 23.0	3.33 ft-lb/in ² @Temperature 73.4 [°] F	ISO 179/1eA

Mechanical Properties	^{Â°C} Metric	English	Comments
Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 Âµm/m-Â°C @Temperature 23.0 - 80.0 Â°C	16.7 Âµin/in-Â°F @Temperature 73.4 - 176 Â°F	ISO 11359-1/-2
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	115 Â°C	239 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C	230 Â°F	ISO 75-1/-2
Vicat Softening Point	115 Â°C	239 Â°F	VST/B/50; ISO 306
	120 Â°C	248 Â°F	VST/A/50; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	IEC 60695-11-10

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 280 Â°C	464 - 536 Â°F	Injection Molding
Mold Temperature	80.0 - 95.0 Â°C	176 - 203 Â°F	Injection 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	Black 56626	
	Gray 36878	
	Natural	
Commercial Status	Europe	
Primary Processing Technique	Injection Molding	

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