

Overview of materials for Polyarylsulfone (PAS), Molded/Extruded

Category : Polymer , Thermoplastic , Polyarylsulfone (PAS) , Polyarylsulfone; Molded/Extruded

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Polyarylsulfone; Molded/Extruded". Each property range of values reported is minimum and maximum values of appropriate MatWeb entries. The comments report the average value, and number of data points used to calculate the average. The values are not necessarily typical of any specific grade, especially less common values and those that can be most affected by additives or processing methods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Overview-of-materials-for-Polyarylsulfone-PAS-MoldedExtruded.php

Physical Properties	Metric	English	Comments
Density	1.37 - 1.49 g/cc	0.0495 - 0.0538 lb/in ³	Average value: 1.43 g/cc Grade Count:3
Linear Mold Shrinkage	0.00200 - 0.00700 cm/cm	0.00200 - 0.00700 in/in	Average value: 0.00500 cm/cm Grade Count:3

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	65.0 - 131 MPa	9430 - 19000 psi	Average value: 93.0 MPa Grade Count:3
Elongation at Break	1.20 - 6.50 %	1.20 - 6.50 %	Average value: 3.73 % Grade Count:3

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	170 - 213 °C	338 - 415 °F	Average value: 196 °C Grade Count:3

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