



COMPOUND: A642

POLYMER: Polyphenylene Sulfide (PPS)

DESCRIPTION: Carbon & PTFE Filled PPS Bearing Grade Compound, Compression and Ram Extruded Stock Shapes and Machined parts

Property	Test Method	Internal Specification Values	Typical Values	Units
Specific Gravity	ASTM D792	1.48 – 1.54	1.51	-
Hardness	ASTM D2240	80 - 90	85	SHORE-D
Tensile Strength at Break	ASTM D1708	5,200 (35.85) Minimum	6,100 (42.06)	PSI (MPa)
Elongation at Break	ASTM D1708	1.50 Minimum	3.00	%
Compressive Strength 0.2% Offset 5% Strain	ASTM D695		10,695 (73.74) 12,650 (87.22)	PSI (MPa)

REVISION HISTORY

REV. NONE – Initial Release, 4-16-2015 RSK

REV. A – Updated typical values of Tensile Strength & Elongation and Spec/Typical values of Specific Gravity. Deleted other property data and compliance table.

Updated Data sheet format on new template. 9-01-2020 RSK