



COMPOUND: ARYLEX® 754

POLYMER: Polyetheretherketone (PEEK)

DESCRIPTION: 30% Carbon Fiber Reinforced PEEK, Injection molded finish parts, stock shapes, and machined parts.

Property	Test Method	Internal Specification Values	Typical Values	Units
Specific Gravity	ASTM D792	1.38 – 1.42	1.40	-
Hardness	ASTM D2240		90	SHORE-D
Tensile Strength at Break	ASTM D638	29,000 (199.9)	35,000 (241.3)	PSI (MPa)
Tensile Elongation at Break	ASTM D638	1.0 Minimum	2.0	%
Tensile Young's Modulus	ASTM D638		2,200 (15.2)	KSI (GPa)
Flexural Modulus	ASTM D790	1,885,390 (12.99)	3,100,000 (21.4)	PSI (GPa)
Flexural Strength	ASTM D790		50,000 (344.7)	PSI (MPa)
Shear Strength	ASTM D3846		14,000 (96.5)	PSI (MPa)
Izod Impact Strength, Notched	ASTM D256	1.53 (85) Minimum	2.4 (133)	FT.LB/INCH (J/m)
Water Absorption 24 Hours at 73 °F (23 °C)	ASTM D570		0.06	%
Coefficient of Linear Thermal Expansion Average below T _g	ASTM D696		0.8 (1.44)	X 10 ⁻⁵ °F ⁻¹ (°C ⁻¹)
Heat Deflection Temperature, As-molded @ 261 PSI (1.8 MPa)	ASTM D648		600 (315.5)	°F (°C)

REV. A - Updated company name and disclaimer statement, 4-10-2023 RSK

The descriptions, design, and performance information, and recommended uses for the products, tests and data described herein are based generally on our design and manufacturing experience, product testing in specific conditions, and industry standards. The foregoing information is for general guidance only and does not constitute a guaranty or warranty of design or warranty of performance. All warranties regarding the products described herein will be given in writing at the time of sale of such products. Each purchaser of such products must decide if the products are suitable to the intended use of such purchaser. Armorlene®, Arylast™, Arylex®, dures®, CDI Products®, CDI Energy Products®, Fibrex®, Hythane®, Paradyne®, Permeon®, OptiSeal®, OptiPak®, Tuff Breed®, and WSP Extreme® are registered trademarks of J.H. Fenner & Co. Limited or other members of Fenner Group Holdings Limited, the divisional parent company of CDI Products, LLC, or its corporate parents (including Compagnie Générale des Etablissements Michelin SCA).