

Technical Data

3550 West Market Street Akron, Ohio 44333 Phone 1-800-54-RESIN Fax 1-800-662-7203
CORPORATE OFFICE
www.aschulman.com • info@aschulman.com



POLYAXIS RLLP 621

NATURAL/COLORS/BLACK

Long term UV4 stabilization

Polyaxis RLLP 621 is a flame retardant high density polyethylene for rotational molding.

RESIN PROPERTIES	TEST METHOD	TEST PARAMETERS	UNIT	TYPICAL VALUE
Melt index	ASTM D-1238	2.16/190	g/10 min	6.5
Density	ASTM D-792	-----	g/cc	1.01

TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D-638	yield,2"/minute	Mpa psi	15.2 2,200
Ultimate Elongation	ASTM D-638	2"/minute	%	50
ESCR	ASTM D-1693	100% Igepal	hours F50	n/a
Flexural Modulus	ASTM D-790	@ 1% Secant	Mpa psi	585.6 85,000
Heat Distortion	ASTM D-648	@ 66 psi	°C	48
Impact	ARM	(23°C)1/8" Specimen	ft - lbs.	15

APPROVALS

FAR		PART	25.853(a)	
UL	UL94	6.0 mm	-----	V0
UL	UL94	1.5 mm	-----	V2

09/01



Values listed are typical properties and should not be used as specification limits. Physical properties are based on rotationally molded samples from unpigmented resin. Test procedures may have been modified to accommodate laboratory capabilities. Density and ESCR tests were performed on compression molded samples.

While the information herein is believed to be reliable and correct, nothing herein is intended and should not be construed as a representation of warranty, express or implied, as to results obtained or to be obtained by others who may make use of this information or with respect to the absence, existence or validity of patent rights, if any, of others involving any composition or process herein referred to; or an inducement or recommendation for the violation of any such patent rights; and responsibility and liability therefore is disclaimed.