



DIAMOND POLYMERS, INC.

PPE /HIPS BLEND  
HALOGEN FRE FLAME RETARDANT  
IMPACT MODIFIED

**LURANYL®**  
**KR 2450/3**

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
<b>PHYSICAL</b>			
Melt Flow Rate - Procedure A 250° C/21.6 kg	D-1238	g/10 min	107
Specific Gravity	D-792		1.10
Mold Shrinkage	D-955	in/in cm/cm	0.005 - 0.007 0.005 - 0.007
<b>IMPACT</b>			
Izod Impact, notched 0.125" bar, 23° C (73° F)	D-256	ft-lb/in J/m	2.0 107
<b>FLEXURAL</b>			
Flexural Modulus, tangent chs 0.05 in/min, 0.125" bar	D-790	psi MPa	372,000 2,563
Flexural Strength, chs 0.05 in/min, 0.125" bar	D-790	psi MPa	13,652 94
<b>TENSILE</b>			
Tensile Yield Strength, chs 2 in/min, Type I bar	D-638	psi MPa	9,340 64
<b>THERMAL</b>			
Heat Deflection Temperature 40 hours @ 23° C (73° F) 0.125" bar @ 264 psi	D-648	°C °F	90 194
Vicat Softening Point 0.125" bar/wt 1000g, Rate B	D-1525	°C °F	123 253
Thermal Conductivity	DIN 52612	W(m·k)	0.18
Thermal Coefficient of Linear Expansion	ISO 11359-2	10 <sup>-4</sup> ·K <sup>-1</sup>	0.60 - 0.70
Flammability, UL File No. 148878	UL94		V-0

The information contained herein is provided for general reference purposes only. Diamond Polymers Inc. makes no guarantee or warranty and does not assume liability with respect to the accuracy or completeness of the information presented, or the product results in any specific instance and hereby expressly disclaims any implied warranties of suitability or fitness for a particular purpose or any other warranties or representations whatsoever expressed or implied. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of patent.

\* EXCEED THE CAPACITY OF THE TEST EQUIPMENT.

EAP/12-12-05

