



DIAMOND POLYMERS, INC.

PPE /HIPS BLEND
HALOGEN FREE FLAME RETARDANT
IMPACT MODIFIED

LURANYL®
KR 2450/3

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
PHYSICAL			
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
IMPACT			
Izod Impact, notched 0.125" bar, 23° C (73° F)	D-256	ft-lb/in J/m	2.0 107
FLEXURAL			
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
TENSILE			
Tensile Yield Strength, chs 2 in/min, Type I bar	D-638	psi MPa	9,340 64
THERMAL			
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 ⁻⁴ ·K ⁻¹	0.60 - 0.70
Flammability, UL File No. 148878	UL94		V-0