

ICORENE® K1500

Crosslinked Polyethylene

ICO Polymers APAC, A Division of A. Schulman

Message:

ICORENE™ K1500 is a cross-linkable polyethylene, which has been specifically developed for rotational moulding applications. A well cross-linked part manufactured from this grade will display outstanding ESCR and notched impact resistance. ICORENE™ K1500 Series contains a fully formulated long-term UV stabilisation package.

ICORENE™ K1500 refers to natural powder.

ICORENE™ K1501 refers to compounded black powder.

ICORENE™ K1500 and K1501 are not suitable for food contact or potable water applications.

General Information			
Additive	UV Stabilizer		
Features	Crosslinkable		
	Good Processability		
	Good UV Resistance		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
Uses	High Stiffness		
	Fuel Tanks		
	Industrial Tanks		
Appearance	Tanks		
	Black		
Forms	Natural Color		
	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm ³	ASTM D1505
Environmental Stress-Cracking Resistance (10% Igepal, F50)	< 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	790	MPa	ASTM D638
Tensile Strength (Yield)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	> 300	%	ASTM D638
Flexural Modulus	690	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	66.0	°C	ASTM D648
Brittleness Temperature	< -118	°C	ASTM D746

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